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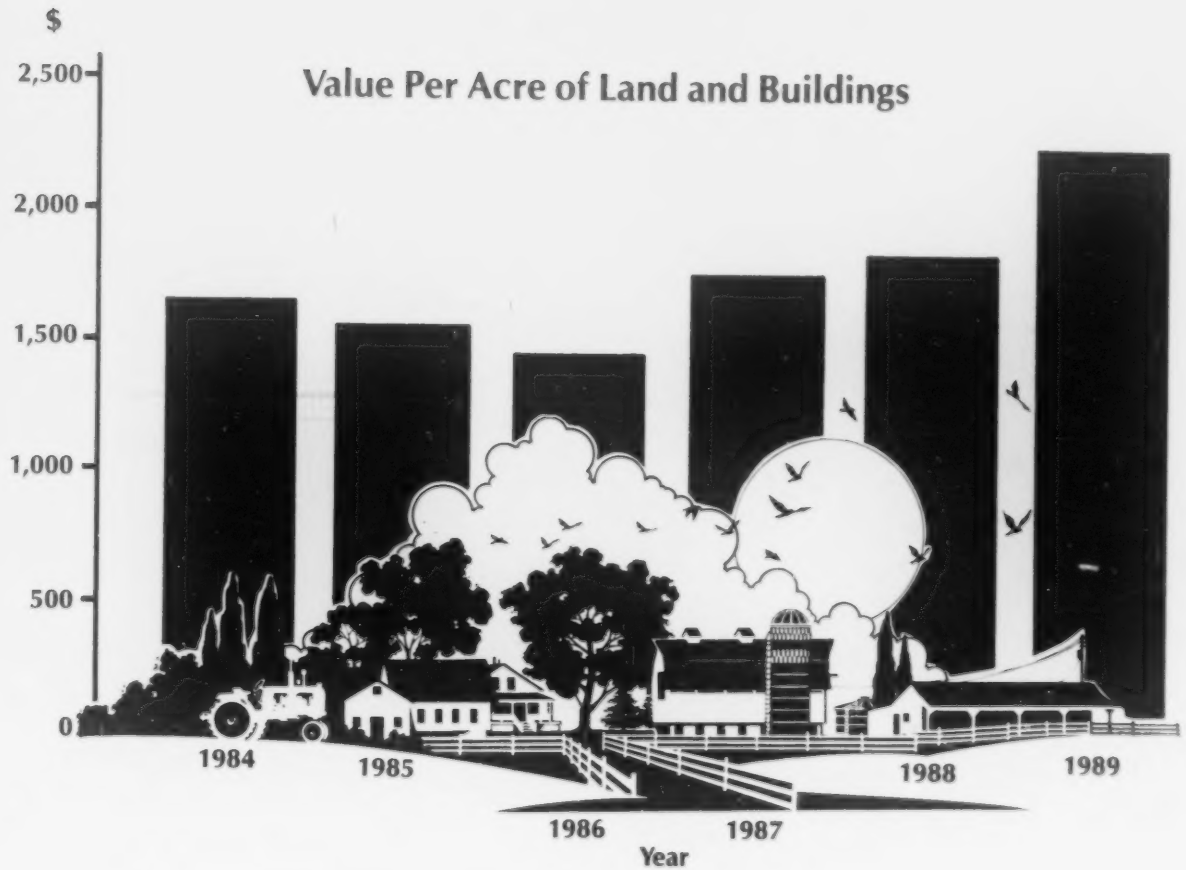
STATISTICAL SUMMARY 1988-89

and

Pennsylvania Department of Agriculture Annual Report



NATIONAL AGRICULTURAL STATISTICS SERVICE
U.S. DEPARTMENT OF AGRICULTURE/PENNSYLVANIA DEPARTMENT OF AGRICULTURE

COMMONWEALTH OF PENNSYLVANIA

Robert P. Casey, Governor

DEPARTMENT OF AGRICULTURE

Boyd E. Wolff, Secretary

cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

Clayton Yeutter, Secretary

NATIONAL AGRICULTURAL STATISTICS SERVICE

Charles E. Caudill, Administrator

in compilation of agricultural statistics by

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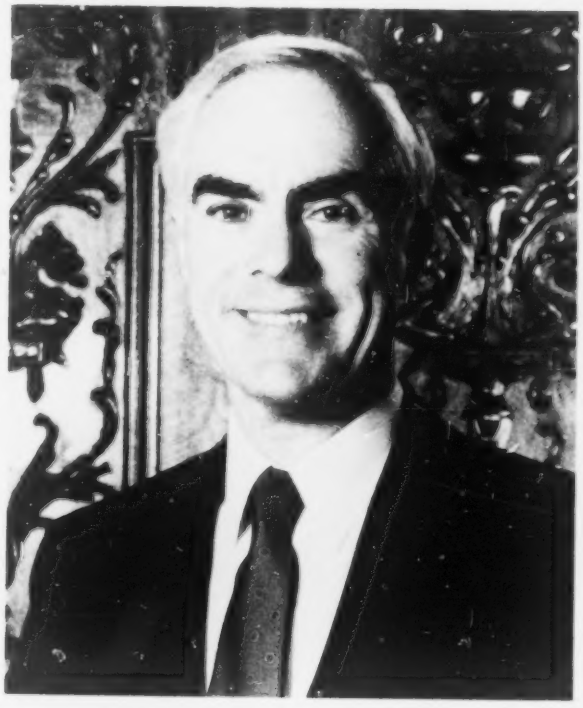

To Pennsylvania's Agricultural Family:

The citizens who supply our food products and maintain our beautiful farms are key contributors to Pennsylvania's economic vitality and the high quality of life in our state. Their hard work puts food on tables across the nation and around the world.

The people who produce, process, transport and market our agricultural products make up Pennsylvania's leading industry. Each year, their work generates some $35 billion in economic activity. Nearly one in five Pennsylvania workers can thank agriculture for his or her livelihood.

As Governor, I'm proud of the accomplishments and contributions of our farm families and food-related businesses. We have expanded efforts to help our farm economy grow even further — through greater research, extension services, marketing support and expertise in animal health.

I am also pleased to present the 1988 Crop and Livestock Annual Summary. This report is an indispensable reference and your guide to Pennsylvania's largest industry.

Sincerely,

Robert Casey

Robert P. Casey
Governor of Pennsylvania

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Established 1895

Commonwealth of Pennsylvania

DEPARTMENT OF AGRICULTURE

ANNUAL REPORT 1988

ROBERT P. CASEY
Governor

BOYD E. WOLFF
Secretary of Agriculture

To the Producers and Consumers of Pennsylvania:

Once again, our farmers were confronted by Spring flooding and Summer drought. Fortunately, Pennsylvania's food producers are not deterred by adversity and the importance of their survival is recognized by our citizens and their governments.

The drought of 1988 brought back memories of the dust bowl of the 1930s. On countless farms hard work and hopes dried up in the fields. New life and hope later grew from assistance resulting from the recognition that hard-hit farming operations had to be preserved for future years. That recognition is proof positive our people understand and appreciate how our leading industry improves life for all of us.

My thanks to those of your who worked to make sure our family farms would survive and my special thanks to the producers who did not give up when the going got tough.

The indomitable spirit of the people in our leading industry explains why there were accomplishments and milestones in a year when nature did not cooperate. We all salute that spirit and we resolve to save our agricultural traditions for generations to come.

I must also recognize the work of the thousands of citizens who voluntarily cooperated with data collection for this publication. Just as agriculture is the foundation for our economy, the data in this book is the foundation for keeping agriculture strong.

Sincerely,

Boyd E. Wolff
Secretary of Agriculture

Farmland Protection:

Pennsylvania took its biggest step to date toward farmland protection in 1988, by creating a $100 million easement purchase program. Act 149 was passed by the Legislature in November and signed into law by Governor Casey. This program will save farmland through purchases of conservation easements from farmers. The program will make $100 million available to qualifying Pennsylvania farmers to encourage them to keep their farms in permanent agricultural use.

The farms that will be saved must be within Agricultural Security Areas. Passage of the referendum authorizing a $100 million bond issue generated new interest in formation of Agricultural Security Areas.

When voters approved funding for the nation's boldest attempt to save farmland there were 82 security areas protecting 310,351 acres on 82 farms in 31 counties. By the end of 1988, 35 new security areas were formed as participants in the areas positioned themselves to qualify for future farmland preservation funds. A second reason for renewed interest in Agricultural Security Areas is the increased protection from condemnation of land by governments and from complaints of public nuisance. The new areas added 145,573 acres on 1,560 farms in 4 additional counties.

Export Marketing:

Pennsylvania agricultural and food exports were at record high levels for the second consecutive year in 1988. In fact, 236.8 million dollars worth of our products were sold overseas during the year. Thus the value of exports has gone up by over $68 million since 1986, and that is an increase of more than 44 percent!

The International Trade Division, which was merged with the Domestic Trade Division in 1988, represented more than 1,100 Pennsylvania agriculture and food companies at a dozen foreign trade shows in Great Britain, France, West Germany, Saudi Arabia, Japan and Puerto Rico.

Through these shows, foreign buyers discovered quality Pennsylvania products such as candy, snacks, grocery items, beverages, logs, lumber, wood products and food handling equipment.

Commodity Marketing Programs:

The Pennsylvania Agricultural Commodities Marketing Act was adopted to benefit producers in 1968. The Act makes it possible for producers to join forces to develop and finance programs that create, maintain or expand markets for farm products produced in Pennsylvania.

This important law was amended in May of 1987 in order to give producers greater control over their commodity programs. Now, board members nominated by producers set policy and direction, determine budgets, and oversee operations.

Pennsylvania's Secretary of Agriculture and the staff of the Department provide support for these marketing programs, which truly belong to producers. During 1988, Pennsylvania's sheep and lamb producers and vegetable growers created new marketing and research programs for their commodities. They join dairy, apple, peach and nectarine and potato producers who have tapped the benefits of the Agricultural Commodities Marketing Act.

1988 Drought:

Substantial May rains were wasted by severe drought and heat during the summer of 1988. Farmers in all parts of Pennsylvania saw their hard work and profits dry up in the fields.

In mid July, Governor Casey and State Banking Secretary Sarah Hargrove appealed to Pennsylvania banks to extend extra consideration to farmers who encountered hardship because of the drought.

In July, Governor Casey and Secretary Wolff surveyed the losses in several counties. After a first-hand look at the damage, Governor Casey directed State Police to permit temporary vehicle tax exemptions for trucks hauling emer-

York County farmer Jed Beshore shows Governor Casey and Secretary Wolff drought-damaged corn.

gency shipments of hay and grain. Other special exemptions relating to load width and registration requirements were also extended to drought relief vehicles. Governor Casey directed the Secretary of Banking to ask farm lenders to restructure loans and delay collections to help farmers survive the drought of 1988.

The Governor then asked U.S. Secretary of Agriculture Richard Lyng for a disaster declaration so that farmers would qualify for Farmers Home Administation (FmHA) emergency loan assistance. This request was hand carried to Secretary Lyng by Secretary Wolff, and Wolff described the worsening situation during a meeting in Lyng's office. The United States Department of Agriculture quickly designated 66 of Pennsylvania's 67 counties as disaster areas, making farmers eligible for FmHA help.

As Congress crafted a bipartisan drought-relief package, Secretary Wolff went to Washington to confer with key members of the Pennsylvania Delegation. The relief package was designed to help farmers with emergency feed and funding to cover crop losses. Wolff made members of Congress aware of the situations on Pennsylvania farms so assistance could be tailored to needs in the Keystone State.

Farm Show:

The State Farm Show is Pennsylvania's version of a State Fair. Rich in traditions and unparalleled as a promoter of economic activity, it is the premier agricultural event in the Commonwealth. Like all major shows, the Farm Show depends on the efforts and imaginations of hundreds of people behind the scenes. During 1988 those people created improvements and attractions that made the 1989 show the best ever.

New features included a very popular petting zoo in the Large Arena, an apple pie contest, selection of a Supreme Dairy Champion and the first Farm Show live drawing of the Pennsylvania State Lottery. New information booths were added along with a rabbit exhibit and daily tours of the Department of Agriculture during the Farm Show.

The 25th Anniversary All-American Dairy Show featured exhibitors from 30 states and Canada. It demonstrated why the All-American has become one of America's premier dairy events.

The primary mission of the Farm Show Complex is to promote agriculture and related industries, but this special facility has been increasingly used for other attractions during the year. Along with three major livestock shows in 1988, the Bureau of Farm Show hosted more than sixty commercial events, including the Eastern Sports, Boat, Camping, Travel and Outdoor Show — now billed as the largest show of its kind in the nation. Increased year-round use of the Farm Show facility boosts the local economy by attracting out-of-town visitors in record numbers.

Thirteen new events were added to the Farm Show complex schedule in 1988. The Goat Show, The Llama Show and Sale, Quarterhorse Show and the Pennsylvania Food Products Show were among the major events introduced to the schedule of the year-round Farm show facility.

Fairs:

More and more people joined the fun at Pennsylvania's Fairs, where agriculture struts its stuff and promotes the state's number one industry. Nearly 7 million people attended our 110 agricultural fairs in 1988, and many of them enjoyed the first Blue Ribbon Apple Pie Contests, which set the stage for a statewide apple pie championship during the Farm Show.

The Department's Agricultural Fair Program increased its overall financial commitment to fairs, youth organizations and agricultural organizations in 1988. In the 1988-89 fiscal year $3.4 million was granted to support exhibits, operations, premiums, capital improvements and horse and harness racing.

Governor and Mrs. Casey and Secretary Wolff confer with a sheep producer at the 1989 Farm Show.

Agricultural Research:

In the fall of 1988, passage of a supplementary state budget bill provided an additional $1.5 million for agricultural research. One-million dollars had been allocated previously for research in fiscal 1988-89. The "extra" money funded 20 new research projects. Fourteen of the projects were at Penn State, five were at the University of Pennsylvania and one was with Rodale Research Center. Primary emphasis in the new round of funding centered on Salmonella control, reducing fruit loss after harvest, drug detection in animals and biological control of insect pests.

1988 Research Supported by the Department of Agriculture:

Agronomics	7 Projects	$ 242,645
Vegetable	5 Projects	178,538
General Ag.	3 Projects	124,522
Swine	4 Projects	138,123
Poultry	10 Projects	344,491
Pomology	2 Projects	449,494
Horticulture	1 Project	38,955
Livestock	3 Projects	409,798
Entomology	2 Projects	65,975
Dairy	6 Projects	207,454
		2,199,995
Epidemiology	1 Project	300,000
		$2,499,995
Other research projects		
Johne's Disease Cause and Control		$ 121,000
Rabies Research		273,000
		$ 394,000
Total Department Research Funds		**$2,893,995**

Agricultural Statistics:

Agriculture without accurate statistics is like a ball game without a score. Statistics document losses, but more importantly, they also demonstrate success, prove new techniques and provide planners, farmers and policy makers the data needed for decision making.

The Pennsylvania Agricultural Statistics Service gathers and publishes statistical data on agriculture in the Commonwealth. Severe drought conditions in the summer of 1988 created additional demand for statistics, particularly for data related to production and stocks of feed grain and hay crops. As the drought progressed, survey questionnaires were modified to more closely monitor the supply situation for hay and roughage crops. Statistics that referenced both past and current year production levels were used to assess the impact of drought related losses. That information was needed to justify emergency disaster declarations.

In drought-related work, the Statistics Service also reported on the cost of producing milk, thereby enabling the Pennsylvania Milk Marketing Board to amend pricing policies to protect the milk supply for consumers.

During the year a new edition of the Orchard and Vineyard Survey was published. Conducted at five-year intervals, the latest survey provided new information about size controlled rootstock for apples.

Bulk Meat Bunko:

When consumers in North Central Pennsylvania were misled by advertising and high-pressure sales techniques, the Bureau of Standard Weights and Measures began a major investigation of a large bulk-meat operation that drew customers from a radius of 75 miles. These citizens were pressured with a scheme that promised bulk purchases on easy credit. The Department's intervention resulted in refunds of more than $10,000 for consumers who had been swindled.

The Bureau of Weights and Measures also protected consumers who purchased polyethene sheeting and baler twine that was not labelled to indicate length.

Salmonella:

The people of Pennsylvania enjoy an abundant supply of quality food because food producers and government work together to protect consumers. This spirit of cooperation is a tradition in the Commonwealth and it is the foundation for new efforts to reduce the risk of egg-associated salmonellosis.

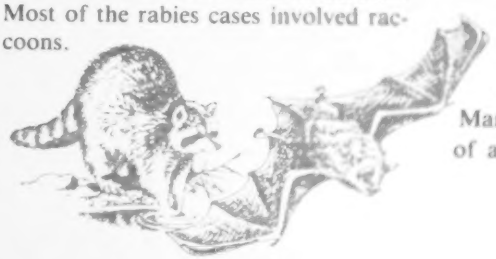
The Department and Pennsylvania's poultry industry worked together to prevent contamination of chicken eggs by Salmonella enteritidis. Under agreements signed by producers, egg-laying flocks are checked to certify that only eggs from salmonella negative birds are packed for the shell egg market.

Livestock Division:

Eleven livestock auction markets depended on market news coverage from the Department's Livestock Division. In addition to its regular grading schedule, the Division conducted livestock grading operations at two weekly auctions (veal calves); eight Northeast lamb pools; and 10 Fall and Spring feeder cattle sales. One new feeder cattle sale was added to the regular schedule. In order to handle cattle faster and get more numbers in graded lots, the Livestock Division also created a new grading procedure for one of the regular Fall sales. Two new sales helped increase the number of feeder pigs to market.

Rabies:

Rabies in wildlife continued to move into eastern and northern counties in 1988. This was confirmed by laboratory testing of wild animals submitted to the Department's Summerdale Laboratory near Harrisburg. During the year the lab tested 1,551 animals and confirmed 400 rabies cases in animals. Most of the rabies cases involved raccoons.



In efforts to protect citizens, the Bureau of Dog Law Enforcement cited pet owners who failed to comply with state law that requires rabies vaccinations for all dogs and house cats over 3 months of age. Proper vaccination builds a barrier between humans and the wild animals domestic pets frequently encounter.

In addition, the Department continued to fund rabies research conducted by the Wistar Institute in Philadelphia. Wistar has developed an improved vaccine to protect humans who have been exposed to rabies. Wistar has also developed an oral vaccine and bait for raccoons. Plans are being made for field testing of the latter vaccine. This new vaccine might one day be air-dropped into the forests and woods of Pennsylvania where it would prevent the spread of rabies in raccoons.

Integrated Pest Management:

Integrated Pest Management enables farmers to protect their hard work and investments while minimizing the use of chemical pesticides. Reduced chemical applications and a shift to biological controls permit food producers to trim expenses and increase profits and at the same time address consumer concerns over pesticide residues.

New techniques and ideas are explained in a new audio-visual program on Integrated Pest Managment. Other state departments of agriculture have requested copies of this program, which is offered to farmers and farm organizations through any of the Department's seven regional offices. In addition, the Department has created a second audio-visual program on pesticide safety for the applicator.

Government Food Distribution To Schools:

Schools and other agencies receiving government commodities have trimmed distribution costs by 30 to 50 percent thanks to a new Pennsylvania distribution system that is viewed as a model for other states.

Implemented by the Bureau of Government Donated Foods in 1988, the new system utilizes the services of commercial distributors to distribute USDA commodities to instutitions. Under previous procedures, institutions had to arrange pickup of these commodities from warehouses operated by commercial distributors who made other routine deliveries to the schools. Officials from several other states have visited Pennsylvania to learn about the new system, which is now recommended by USDA.

Hypersensitivity Registry:

Citizens with chemical hypersensitivity received new protection from a notification program that is the first of its kind in the nation. The Department created this program to meet the needs of citizens who have had adverse reactions to pesticide applications by neighbors.

Through a registry of chemically hypersensitive individuals, pesticide applicators can identify those who are allergic to sprays. The Bureau of Plant Industry supplies the names and addresses of people with chemical hypersensitivity to 6,000 commercial and public pesticide applicators. Applicators can then notify registrants when applying pesticides within 500 feet of a home occupied by someone whose name is registered with the Department.

Amusement Ride Inspections:

The Bureau of Amusement Rides and Attractions completed implementing its Quality Assurance Inspection Program. Three state quality assurance inspectors now randomly double-check the work of more than 400 licensed ride inspectors who conduct safety inspections for the 185 registered ride operators whose attractions were featured at 1,486 locations in Pennsylvania.

During 1988, the bureau conducted 266 inspection visits, compared to 60 visits a year earlier. Rides were not permitted to carry passengers until all deficiencies identified during these inspections were corrected. This public protection program was highly successful and there were no serious injuries caused by mechanical failure in 1988.

Farmers Market Coupon Program:

Pregnant women and breastfeeding mothers in three areas of Pennsylvania enjoyed the benefits of fresh, quality foods from a pilot project that proved the potential of the Farmers' Market Coupon Program. This pilot project permitted certain clients of the Women, Infants and Children (WIC) Program to purchase fresh Pennsylvania fruits and vegetable with coupons at Farmers' Markets.

This program increased nutritional benefits for mothers and children, and it creates new opportunities for farmers to sell more produce. The pilot program will be greatly expanded and will serve over 14,000 families in 1989.

Animal Disease Detection:

The Department maintains a fully accredited diagnostic laboratory at Summerdale and a sateliite lab at Tunkhannock. The Summerdale laboratory provided pathological services to diagnose diseases of farm animals. Animal diagnostic testing conducted by the Pennsylvania Department of Agriculture involved 754,000 samples in 1988.

This Department's disease control program diagnoses brucellosis in cattle and pullorum, influenza and salmonella in poultry. In addition, laboratory work detects equine infectious anemia in horses, pseudorabies in swine, Johne's disease in cattle and rabies in animals of all species.

Pseudorabies In Swine:

The Swine Health Advisory Committee was appointed to help revise swine heath rules to prevent and eventually eradicate pseudorabies in Pennsylvania. In 1988, 45 farms were quarantined as part of Pennsylvania's efforts to control this disease, which can cause substantial production losses in swine herds. The department also paid $95,900 in depopulation incentives to 12 swine producers who adopted plans to eradicate pseudorabies from their herds.

Coyote Problems:

Farmers have new protection from coyote damage because the Pennsylvania Dog Law was amended on July 13, 1988. These changes direct the Bureau of Dog Law Enforcement to make payment to farmers to reimburse them for livestock killed by coyotes. In 1988, five farmers were reimbursed for sheep killed by coyotes.

Entrepreneurs Offer Jobs:

New processing companies mean new jobs and markets, so the Casey Administration has cultivated the building of new processing operations and the expansion of existing ones. The Agricultural Entrepreneur Development Program offered matching grants to 22 Pennsylvania companies. This vital program improved processing capabilities and added value to Pennsylvania farm commodities. Grants promoted hardwood manufacturing, slaughtering and meat processing, winemaking, aquaculture, yogurt production, mushroom processing, apple storage, and a tissue culture laboratory.

Pellegrino Foods in Warren County used an Entrepreneur grant to expand a pepper processing and meat pie production operation. The expansion created processing jobs and also developed produce markets, since Pellegrino has become a major buyer of peppers, tomatoes and meat products.

Although job creation was not a major criteria for receiving a grant, the 22 grants produced 292 new jobs for Pennsylvania workers. That equals one job for every $3,280.69 invested by the Commonwealth.

Because the program offered matching grants, two private sector dollars were spent for every one dollar of grant money. Thus, 3 million new dollars were injected into 22 mostly rural counties. By 1990, the Agricultural Entrepreneur Development Program will have generated more than 400 new jobs.

Governor Casey and Secretary Wolff help out during a visit to the Jubilee Soup Kitchen in Uniontown.

Food Safety and Quality:

Food safety is a major responsibility for the Department and a major consumer issue as we head into the 1990s. The Bureau of Foods and Chemistry leads the effort to protect consumers and consumer confidence in the quality of Pennsylvania products.

Two new dairy regulations became effective in 1988. The "sell by" date on packaged milk must now be displayed in contrasting color so it is more legible for consumers. Also, the maximum legal temperature for receipt of milk for manufacturing purposes in cans by a cheese plant is 50 F. Some segments of the industry sought exemptions from these new requirements, but none were granted. The more rigid standards will improve quality and safety of dairy products and will promote consumer confidence.

During the year the Department continued its testing of fresh fruits and vegetables for pesticide residues. Ninety-nine percent of samples were in compliance with federal standards. Results from this testing were shared with the Food and Drug Administation (FDA) and with processors purchasing Pennsylvania products.

Drought conditions in 1988 caused severe aflatoxin contamination of some grains in the midwestern United States. Dry conditions raised the probability of aflatoxin problems in Pennsylvania as well, but testing showed the toxin was less of a problem in corn in this state. Of 190 samples analyzed to survey the extent of aflatoxin danger, only one sample exceeded safe levels.

In an effort to prevent a Listeria problem in the Pennsylvania milk supply, all dairies were inspected with special emphasis on prevention of Listeria. Dairy personnel were encouraged to develop new prevention initiatives. As a result, no illnesses were reported associated with the consumption of Pennsylvania produced dairy products.

The Department launched a major survey of orange juice products to test for adulteration through illegal preservatives, excess water and added sweeteners. Violators were warned and second offenders were prosecuted. Resampling reveals a reduction in violations.

LEGISLATIVE ACCOMPLISHMENTS FOR AGRICULTURE IN 1988

ACT 1A—Appropriates money from the Sunny Day Fund to the Department of Commerce for making loans to various Commonwealth companies, including agribusiness.

ACT 63—Increases service charge fee to $1 for agents selling dog licenses; provides for reimbursement to farmers who have suffered livestock damage from coyotes; and allows small municipalities to join together in dog control programs to be eligible for grant monies.

ACT 64—Allows proceeds from the sale of the Woodville Farm to be used for improvements at the Farm Show Complex and proceeds from dispersal of other state-owned farms and equipment to be set aside in a separate fund for implementation of the 1987 Farmland Preservation Referendum.

ACT 86—Amends the Crimes Code by adding a section which makes agricultural vandalism, the intentional damaging of farm property, a criminal offense.

ACT 87—Re-establishes the Pennsylvania Emergency Management Agency for five more years. PEMA responds to defense and disaster emergencies.

ACT 95—Re-established the Pennsylvania Industrial Development Authority for ten more years. PIDA reviews and regulates industrial development projects.

ACT 98—Authorized the conveyance of 17.33 acres of land in Cumberland County belonging to the Department of Agriculture to the Capital Area Intermediate Unit for office and warehouse facilities.

ACT 101—Provides for the processing and disposal of municipal waste and requires recycling in certain municipalities.

ACT 116—Establishes the Hardwoods Development Council to develop, expand and promote the hardwood industry in Pennsylvania.

ACT 122—Allows the Department of Agriculture to license and regulate poultry dealers and transporters and establish standards of cleanliness for the transportation of poultry and will permit the Department to keep better controls on the spread of disease in the poultry industry. The law also provides for the licensing and regulation of the production of ethyl-alcohol (ethanol) in the Commonwealth.

ACT 127—Provides for nonprimary wagering locations, or off-track betting facilities.

ACT 148—Creates an Animal Health and Diagnostic Commission within the Department of Agriculture to oversee animal health problems, direct research dollars, coordinate laboratories, and advise on animal health policy.

ACT 149—Establishes the State Agricultural Land Preservation Board in the Department of Agriculture; allows for the purchase of development rights from farm owners for 25 years or for perpetuity, through the use of proceeds from a $100 million bond issue approved by voters in 1987. This act will save farmland, provide open space for wildlife and beauty, and aid in replenishing our water supply.

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STATISTICAL SUMMARY 1988-89

NATIONAL AGRICULTURAL STATISTICS SERVICE
U.S. DEPARTMENT OF AGRICULTURE/PENNSYLVANIA DEPARTMENT OF AGRICULTURE

DAIRY SUMMARY - 1988

BY GLENN A. STRASBURG

MILK PRODUCTION REACHES A NEW RECORD HIGH: Pennsylvania's milk production for 1988 was 10.20 billion pounds, slightly above the previous record high of 1987. Monthly record highs were produced during the months of January, February, and September.

Milk production per cow continued to set new record highs except for the May through August period. Average production per cow of 14,232 pounds for the year was 109 pounds more than 1987's record of 14,123 pounds per cow. This was the smallest year to year increase in milk per cow in the last five years. The recent trend had been for dairy farmers to register increased milk production per cow compared to the same month a year earlier. Due to the drought conditions of 1988, decreases were recorded during the summer months of June, July and August.

The number of milk cows in the State averaged 717,000 head in 1988, 4,000 less than in 1987. Cow numbers dropped 5,000 from February to March but then leveled off the rest of the year.

Pennsylvania is the fifth largest state in the production of milk, producing 7.0 percent of the nation's milk. Wisconsin is first, with 17.5 percent of the U.S. production, followed by California, New York, and Minnesota, respectively. During 1987, dairy farmers in Pennsylvania produced more milk than Minnesota dairy farmers (which ranks fourth in milk production) during the months of August through November. In 1988, Pennsylvania produced more milk than Minnesota during the months of August through December.

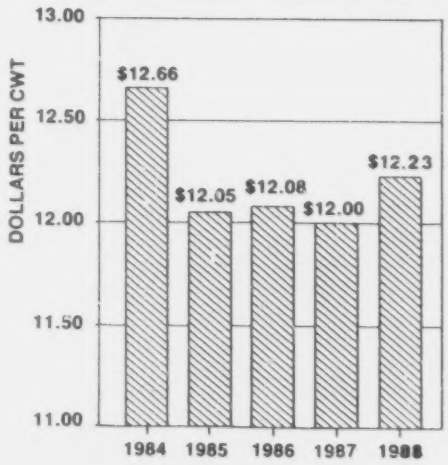
The number of commercial dairy farms is estimated at 13,700 farms, unchanged from 1987. Commercial dairy farms are defined as farms with ten or more milk cows operating during the year.

MILK DISPOSITION AND INCOME: Cash receipts from all marketings of Pennsylvania milk during 1988 totaled 1.34 billion dollars, an increase of less than 1 percent from 1987. Marketings totaled 10.1 billion pounds in 1988, slightly above all marketings in 1987. Milk sold by producers directly to consumers was 3 percent of all milk marketed. Returns from both wholesale and retail sales in 1988 averaged $13.32 per hundred pounds of milk, the same as average returns during 1987.

An estimated 114 million pounds of milk were used on farms where produced, 3 percent less than a year earlier. Of this amount, 74 million pounds of milk were fed to calves on the farms where the milk was produced while 41 million pounds were used by producer's households as fluid milk, cream and butter.

PRODUCTION COSTS: The cost of producing milk in Pennsylvania averaged $12.23 per hundred pounds of milk during 1988 compared with $12.00 during 1987. The estimated cost of producing milk for 1988 does not include any returns (costs) for management or equity capital or changes in inventory values of capital items but does include a return to operator and family labor.

PENNSYLVANIA: COST OF PRODUCING MILK ONE YEAR AVG. ENDING DEC. 31



PENNSYLVANIA: COST OF PRODUCING MILK, SELECTED ITEMS AND TOTAL, BY MONTHS, 1988

Month	Purchased Feed	Fertilizer & Lime	Fuels & Lubricants	Dairy Animals Purchased	Hauling	Interest	Depreciation	Value Family Labor	Hired Labor	Other	Total
	Dollars Per Cwt. Of Milk Shipped										
January	2.232	0.264	0.260	0.166	0.417	0.711	1.697	1.719	0.646	3.204	11.32
February	2.217	0.350	0.250	0.261	0.415	0.706	1.686	1.728	0.706	3.184	11.50
March	2.394	0.653	0.380	0.261	0.415	0.706	1.686	1.740	0.730	3.184	12.15
April	2.183	1.176	0.381	0.288	0.417	0.667	1.651	2.010	0.696	3.230	12.70
May	2.232	1.683	0.430	0.173	0.421	0.646	1.601	1.794	0.636	3.127	12.74
June	2.206	1.009	0.405	0.173	0.412	0.646	1.601	1.612	0.660	3.127	11.85
July	2.464	0.385	0.411	0.166	0.409	0.671	1.665	1.757	0.745	3.248	11.92
August	2.647	0.358	0.352	0.147	0.417	0.664	1.646	1.802	0.684	3.170	11.89
September	2.617	0.306	0.397	0.148	0.421	0.665	1.648	1.989	0.645	3.174	12.01
October	2.782	0.300	0.430	0.420	0.398	0.672	1.666	1.790	0.702	3.225	12.38
November	3.581	0.362	0.330	0.282	0.415	0.679	1.683	1.714	0.576	3.172	12.79
December	2.989	0.988	0.316	0.282	0.442	0.680	1.687	2.117	0.724	3.212	13.44
Average	2.545	0.653	0.362	0.231	0.417	0.676	1.660	1.814	0.679	3.188	12.23
% of Total	20.8	5.3	3.0	1.9	3.4	5.5	13.6	14.8	5.6	26.1	100.0

PENNSYLVANIA: MILK COWS, MILK PRODUCTION AND MILK PRICE, BY MONTHS, 1960-1988

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Milk Cows on Farm 1/ (Thous. Head)													
1960.....	880	880	881	882	884	884	885	885	886	887	888	888	884
1965.....	823	820	817	814	811	808	805	802	799	796	793	790	806
1970.....	712	710	708	707	706	705	704	703	702	701	700	698	705
1975.....	688	695	700	705	703	700	697	703	701	699	698	704	699
1980.....	712	713	710	705	705	705	707	712	714	718	718	718	711
1983.....	738	737	737	734	733	731	727	731	735	737	744	740	735
1984.....	737	729	720	718	718	720	727	731	737	738	735	735	729
1985.....	735	735	735	738	738	736	740	743	745	746	745	747	740
1986.....	741	739	738	730	730	732	732	734	734	735	735	730	734
1987.....	729	725	719	718	718	716	720	720	718	718	721	724	721
1988.....	724	720	715	712	713	715	715	717	720	719	716	719	717
Milk Production Per Cow (Lbs.)													
1960.....	630	595	695	695	785	705	630	630	610	614	590	600	7,780
1965.....	730	675	795	795	870	795	725	715	700	715	690	726	8,940
1970.....	825	765	875	880	940	885	850	830	825	840	775	820	10,105
1975.....	825	775	875	885	955	910	855	845	825	825	795	835	10,215
1980.....	965	960	995	985	1,065	1,030	1,000	985	980	990	990	1,000	11,949
1983.....	1,060	1,020	1,075	1,055	1,155	1,125	1,105	1,090	1,070	1,070	1,055	1,055	12,939
1984.....	1,075	1,085	1,085	1,070	1,170	1,130	1,100	1,070	1,045	1,050	1,025	1,030	12,926
1985.....	1,060	1,030	1,090	1,075	1,210	1,175	1,160	1,140	1,110	1,150	1,130	1,155	13,491
1986.....	1,155	1,070	1,140	1,140	1,250	1,200	1,185	1,160	1,120	1,140	1,120	1,150	13,831
1987.....	1,170	1,115	1,205	1,180	1,270	1,210	1,190	1,175	1,135	1,170	1,145	1,170	14,123
1988.....	1,185	1,150	1,210	1,190	1,270	1,180	1,180	1,170	1,150	1,180	1,165	1,200	14,232
Total Milk Production (Mil. Lbs.)													
1960.....	554	524	612	613	694	623	558	558	540	545	524	533	6,878
1965.....	601	554	650	647	706	642	584	573	559	569	547	574	7,206
1970.....	587	543	620	622	664	624	598	583	579	589	543	572	7,124
1975.....	568	539	613	624	671	637	596	594	578	577	555	588	7,140
1980.....	687	684	706	694	751	726	707	701	700	711	711	718	8,496
1983.....	782	752	792	774	847	822	803	797	786	789	785	781	9,510
1984.....	792	791	781	768	840	814	800	782	770	775	753	757	9,423
1985.....	779	757	801	793	893	865	858	847	827	858	842	863	9,983
1986.....	856	791	841	832	913	878	867	851	822	838	823	840	10,152
1987.....	853	808	866	847	912	866	857	846	815	840	826	847	10,183
1988.....	858	829	865	847	906	844	844	839	828	848	834	863	10,204
Wholesale Milk Price (Dollars Per Cwt.)													
1960.....	5.00	4.90	4.75	4.45	4.20	4.25	4.50	4.70	4.95	5.10	5.20	5.15	4.74
1965.....	4.96	4.87	4.75	4.53	4.31	4.31	4.62	4.75	5.01	5.11	5.23	5.14	4.79
1970.....	6.44	6.39	6.31	6.37	6.19	6.15	6.24	6.31	6.47	6.65	6.73	6.77	6.42
1975.....	8.87	8.85	8.65	8.60	8.49	8.43	8.63	9.33	9.80	10.20	10.50	10.80	9.25
1980.....	13.40	13.40	13.30	13.20	13.10	13.00	13.10	13.40	13.80	14.30	14.50	14.80	13.60
1983.....	14.30	14.20	14.10	14.10	13.70	13.50	13.70	13.80	13.90	14.40	14.50	14.20	14.00
1984.....	14.20	13.90	13.90	13.70	13.30	13.30	13.40	13.60	14.10	14.40	14.70	14.30	13.90
1985.....	14.30	14.00	13.70	13.30	12.90	12.50	12.50	12.50	12.50	12.90	12.90	12.90	13.10
1986.....	13.00	12.90	12.60	12.40	12.30	12.20	12.40	12.60	13.10	13.50	13.80	14.00	12.90
1987.....	13.80	13.50	13.10	12.70	12.30	12.30	12.50	12.80	13.40	13.80	13.80	13.50	13.10
1988.....	13.30	13.10	12.70	12.40	12.10	12.10	12.30	12.70	13.50	14.00	14.50	14.70	13.10

PENNSYLVANIA: MILK USED AND MARKETED BY FARMERS, 1960-1988

Year	Production of Milk & Milkfat 2/			Milk Used on Farms Where Produced			Milk Marketed by Farmers			
							Sold to Plants & Dealers		Sold Directly to Consumers 4/	
	Milk	Milkfat	Butterfat %	Fed to Calves	Used for Milk, Cream and Butter	Total	As Whole Milk	As Separated Cream 3/		Total
	Million Pounds									
1960.....	6,878	258	3.75	95	258	353	6,310	60	155	6,525
1965.....	7,206	269	3.73	70	161	231	6,760	35	180	6,975
1970.....	7,124	266	3.73	54	126	180	6,725	18	201	6,944
1975.....	7,140	265	3.71	41	90	131	6,705	15	289	7,009
1980.....	8,496	315	3.71	60	42	102	7,930	-	464	8,394
1983.....	9,510	348	3.66	86	57	143	9,015	-	352	9,367
1984.....	9,423	347	3.68	104	47	151	8,995	-	277	9,272
1985.....	9,983	365	3.66	80	50	130	9,555	-	298	9,853
1986.....	10,152	373	3.67	81	41	122	9,730	-	300	10,030
1987.....	10,183	374	3.67	76	41	117	9,770	-	296	10,066
1988.....	10,204	378	3.70	74	40	114	9,810	-	280	10,090

1/ Average number in milking herds. 2/ Excludes milk sucked by calves. 3/ Total milk separated on farms for cream sales to plants and dealers. 4/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

PENNSYLVANIA: AVERAGE NUMBER OF MILK COWS, PRODUCTION AND VALUE OF PRODUCTION - 1988

County & District	Average Number of Milk Cows	Production 1/		Value of Production 2/
		Per Cow	Total	
	Number	Pounds	Thousand Pounds	Thousand Dollars
Crawford	22,000	14,000	308,000	41,017
Erie	17,400	13,300	231,420	30,819
Forest	400	11,800	4,720	629
Mercer	12,400	14,300	177,320	23,614
Venango	2,300	12,500	28,750	3,829
Warren	6,000	13,500	81,000	10,787
NORTHWESTERN, TOTAL	**60,500**	**13,739**	**831,210**	**110,695**
Bradford	41,200	13,600	560,320	74,619
Cameron	100	11,900	1,190	158
Clinton	4,400	12,000	52,800	7,032
Elk	700	12,800	8,960	1,193
Lycoming	8,500	13,400	113,900	15,168
McKean	2,000	13,600	27,200	3,622
Potter	6,700	14,800	99,160	13,205
Sullivan	2,800	14,000	39,200	5,220
Tioga	21,600	13,200	285,120	37,970
NORTH CENTRAL, TOTAL	**88,000**	**13,498**	**1,187,850**	**158,187**
Lackawanna	3,000	13,000	39,000	5,194
Susquehanna	20,300	13,500	274,050	36,496
Wayne	15,300	13,100	200,430	26,692
Wyoming	6,900	13,800	95,220	12,681
NORTHEASTERN, TOTAL	**45,500**	**13,378**	**608,700**	**81,063**
Armstrong	5,200	13,500	70,200	9,349
Beaver	4,000	12,500	50,000	6,659
Butler	6,600	13,300	87,780	11,690
Clarion	5,200	13,700	71,240	9,487
Indiana	9,200	13,600	125,120	16,663
Jefferson	4,300	12,700	54,610	7,273
Lawrence	8,000	13,500	108,000	14,383
WEST CENTRAL, TOTAL	**42,500**	**13,340**	**566,950**	**75,504**
Blair	15,400	14,400	221,760	29,532
Cambria	2,700	13,800	37,260	4,962
Centre	13,400	15,200	203,680	27,125
Clearfield	3,100	13,600	42,160	5,615
Columbia	3,600	14,000	50,400	6,712
Dauphin	6,900	14,700	101,430	13,508
Huntingdon	13,000	13,300	172,900	23,026
Juniata	9,500	14,500	137,750	18,345
Mifflin	16,000	15,000	240,000	31,961
Montour	2,400	14,200	34,080	4,539
Northumberland	4,600	14,900	68,540	9,126
Perry	8,600	15,900	136,740	18,210
Snyder	7,900	13,300	105,070	13,992
Union	7,400	14,600	108,040	14,386
CENTRAL, TOTAL	**114,500**	**14,496**	**1,659,810**	**221,043**
Carbon	400	12,000	4,800	639
Lehigh	2,000	13,900	27,800	3,702
Luzerne	3,200	12,100	38,720	5,156
Monroe	600	12,700	7,620	1,015
Northampton	6,700	14,000	93,800	12,492
Pike	100	13,400	1,340	178
Schuylkill	3,000	13,500	40,500	5,394
EAST CENTRAL, TOTAL	**16,000**	**13,411**	**214,580**	**28,576**
Allegheny	1,000	12,500	12,500	1,665
Fayette	4,500	13,200	59,400	7,910
Greene	1,800	12,400	22,320	2,972
Somerset	19,300	13,900	268,270	35,726
Washington	9,700	12,400	120,280	16,018
Westmoreland	10,700	13,500	144,450	19,237
SOUTHWESTERN, TOTAL	**47,000**	**13,345**	**627,220**	**83,528**
Adams	9,000	14,700	132,300	17,619
Bedford	19,700	13,400	263,980	35,155
Cumberland	22,700	14,800	335,960	44,741
Franklin	41,800	15,300	639,540	85,169
Fulton	5,900	13,900	82,010	10,922
York	14,900	14,600	217,540	28,970
SOUTH CENTRAL, TOTAL	**114,000**	**14,661**	**1,671,330**	**222,576**
Berks	27,000	15,000	405,000	53,935
Bucks	5,300	14,300	75,790	10,093
Chester	25,800	15,300	394,740	52,569
Delaware	300	14,900	4,470	595
Lancaster	103,100	15,100	1,556,810	207,324
Lebanon	22,600	14,600	329,960	43,942
Montgomery	4,900	14,200	69,580	9,266
Philadelphia	-	-	-	-
SOUTHEASTERN, TOTAL	**189,000**	**15,007**	**2,836,350**	**377,724**
PENNSYLVANIA	**717,000**	**14,232**	**10,204,000**	**1,358,896**

1/ Excludes milk sucked by calves. 2/ Valued at average returns per 100 pounds of milk combined marketings of milk and cream. Includes value of milk fed to calves.

MANUFACTURED DAIRY PRODUCTS - 1988

BY GLENN A. STRASBURG

ICE CREAM PRODUCTION DECREASES THREE PERCENT: Pennsylvania manufacturers produced 87.3 million gallons of ice cream during 1988, second nationally only to California's 106.9 million gallons. Production of ice milk totaled 20.8 million gallons, up 17 percent from 1987. Milk sherbet production at 5.1 million gallons registered a 37 percent increase from the previous year.

BUTTER PRODUCTION INCREASES FOUR PERCENT: The state's processors churned out 59.7 million pounds of butter during 1988. Creamed cottage cheese production at 39.6 million pounds was up 4 percent, and curd cottage cheese output at 43.8 million pounds was up 3 percent from the previous year.

CHEESE PRODUCTION DOWN SLIGHTLY: Production of cheese, excluding cottage cheese, totaled 223.2 million pounds in 1988. Mozzarella cheese production at 138.6 million pounds was up 3 percent while production of other types of Italian cheeses gained 9 percent to 40.8 million pounds. Swiss cheese production increased 13 percent to 6.5 million pounds in 1988.

MILK USED IN MANUFACTURED DAIRY PRODUCTS INCREASES 16 PERCENT: During 1988, a total of 4.60 billion pounds of milk (on a whole milk basis) was used to manufacture dairy products. Butter accounted for 29 percent of this total, frozen products used 30 percent and cheese and other manufactured dairy products used 41 percent.

PENNSYLVANIA: SPECIFIED DAIRY PRODUCTS MANUFACTURED, 1988 1/

Product	Plants	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	Number	Thousand Pounds												
Butter	9	7,396	7,476	7,119	6,301	5,056	4,094	2,107	1,909	3,378	4,324	4,914	5,646	59,720
Swiss Cheese	4	511	515	539	579	638	592	527	508	520	552	507	555	6,543
Italian Cheese, All	13	15,019	14,195	17,273	16,543	15,730	15,747	13,959	12,444	13,508	14,399	14,943	15,643	179,403
Mozzarella & Similars	11	12,041	10,840	13,428	13,330	12,255	12,582	10,9789	9,178	9,898	11,368	11,381	11,532	138,622
Total Cheese	26	17,940	16,519	21,590	20,219	19,940	19,862	17,390	15,698	16,925	18,211	19,244	19,623	223,161
Cottage Cheese:														
Curd	8	3,442	3,792	3,313	3,629	4,250	3,924	3,622	3,836	3,921	3,520	3,086	3,511	43,846
Creamed	8	3,157	3,549	3,154	3,273	3,617	3,559	3,414	3,569	3,349	3,182	2,805	2,970	39,598
		Thousand Gallons												
Ice Cream, Total	-	6,152	6,274	7,605	6,795	8,393	9,296	8,838	8,407	7,457	6,154	6,224	5,713	87,308
Hard	60	5,780	5,891	7,122	6,351	7,844	8,674	8,267	7,852	6,985	5,766	5,841	5,386	81,759
Ice Milk, Total	-	979	993	1,474	1,334	1,807	2,120	2,066	2,969	1,948	1,555	2,070	1,523	20,838
Soft	-	627	682	1,044	1,030	1,350	1,587	1,531	1,838	1,253	947	1,142	891	13,922
Milk Sherbet	-	252	391	546	490	460	576	538	545	455	368	233	239	5,093
Mix, Ice Cream	49	3,080	3,147	3,959	3,675	4,523	5,096	4,716	4,594	3,885	3,201	3,138	2,710	45,724
Ice Milk	35	452	494	761	750	987	1,151	1,119	1,334	909	694	835	650	10,136
Milk Sherbet	35	169	257	381	335	311	415	379	397	312	240	165	169	3,530
Water Ices	15	145	161	182	248	237	303	325	319	139	130	75	157	2,422
Other Frozen Products	7	18	15	21	27	51	46	56	65	52	55	26	16	448

1/ Production for some products not shown when less than 3 plants or individual plant operations might be disclosed.

PENNSYLVANIA: DAIRY PRODUCTS MANUFACTURED, 1965-1988

Manufactured Products	1965	1975	1980	1984	1985	1986	1987	1988
				Thousand Pounds				
Butter	16,992	25,543	59,172	63,152	64,230	68,215	57,232	59,720
Swiss Cheese	2,686	11,839	6,969	5,995	8,173	8,277	5,775	6,543
Italian Cheese, All	7,381	20,763	41,476	131,831	151,645	167,312	171,850	179,403
Mozzarella & Similars	-	12,967	24,912	100,748	119,332	130,600	134,293	138,622
Total Cheese	20,693	67,985	101,262	202,711	221,595	227,898	223,444	223,161
Cottage Cheese,								
Curd	40,550	41,890	38,729	41,534	40,377	38,795	42,683	43,846
Creamed	49,252	49,035	45,408	38,419	35,352	34,016	38,034	39,598
				Thousand Gallons				
Ice Cream, Total	70,878	72,976	79,939	80,250	84,275	88,413	90,297	87,308
Hard	-	67,839	75,482	76,675	80,013	83,320	84,222	81,759
Ice Milk, Total	10,672	16,817	15,187	14,901	15,020	16,117	17,737	20,838
Soft	-	9,660	9,881	10,728	10,961	11,786	12,920	13,922
Milk Sherbet	3,447	2,956	3,562	3,845	3,941	3,490	3,727	5,093
Mix, Ice Cream	36,669	37,495	41,001	42,071	44,518	47,121	47,265	45,724
Ice Milk	7,493	8,760	7,045	7,434	7,292	7,673	9,065	10,136
Milk Sherbet	2,444	1,903	2,309	2,588	2,667	2,391	2,606	3,530
Water Ices	3,402	2,674	2,164	1,975	2,368	2,619	2,605	2,422
Other Frozen Products	156	787	1,153	969	1,403	1,302	661	448

1/ Production for some products not shown when less than 3 plants or individual plant operations might be disclosed.

PENNSYLVANIA: RANK AMONG STATES IN MANUFACTURED DAIRY PRODUCTS, 1988

Item	1	2	3	4	5	6	7	8	9	10
Butter	Wisc.	Calif.	Minn.	Wash.	PA.	Mich.	N.Y.	Kans.	Okla.	Oreg.
All Cheese	Wisc.	Minn.	Calif.	N.Y.	Iowa	PA.	Mo.	Idaho	S.D.	Vt.
Italian Cheese, Total	Wisc.	N.Y.	Calif.	PA.	S. Dak.	Minn.	Ill.	Wash.	—	—
Creamed Cottage Cheese	N.Y.	Calif.	Ill.	Ohio	PA.	Wisc.	Ind.	Mich.	Wash.	Ky.
Ice Cream, Total	Calif.	PA.	Texas	N.Y.	Mass.	Ohio	Minn.	N.C.	Ill.	Fla.
Ice Milk, Total	Calif.	Ill.	PA.	Texas	Fla.	Mich.	Ohio	N.Y.	Minn.	Ala.
Milk Sherbet	Calif.	PA.	Iowa	Ohio	Texas	Minn.	Mass.	Fla.	Ala.	Mich.
Total Frozen Products	Calif.	PA.	Texas	N.Y.	Ohio	Ill.	Mass.	Minn.	Fla.	Mich.
Whole Milk In Manufactured Milk Products	Wisc.	Calif.	Minn.	N.Y.	PA.	Wash.	Iowa	Mo.	Texas	Ohio

LIVESTOCK INVENTORY AND PRODUCTION - 1988

BY TRENT A. WICKWIRE

The total value of all cattle, hogs, and sheep on Pennsylvania farms at the end of 1988 was $1.40 billion, up 4 percent from the $1.35 billion the previous year. Cattle inventory was valued at over $1.32 billion on January 1, 1989, more than 94 percent of the total value of all livestock in Pennsylvania. Sheep inventory, valued at $10.1 million, was less than 1 percent of the total. Hog inventory, valued at $68.4 million on December 1, 1988, accounted for 5 percent of the total value of livestock.

CATTLE: All cattle in Pennsylvania totaled 1,920,000 head on January 1, 1989, unchanged from January 1, 1988. Of the total, 935,000 were cows and heifers that had calved. Milk cow inventory totaled 719,000, down 1 percent from one year earlier, while the number of beef cows increased 5 percent to 216,000 head. Heifers 500 pounds and over totaled 380,000, up slightly from the inventory on January 1, 1988. There were 290,000 heifers for dairy replacement and 39,000 for beef cow replacement. Steers 500 pounds and over totaled 194,000. A total of 31,000 bulls, 500 pounds and over, were on hand. Calves under 500 pounds totaled 380,000. The 1988 Pennsylvania calf crop totaled 880,000 head, 2 percent more than the 1987 calf crop. This tied with 1986 for the largest calf crop since 1965.

The total value of cattle production was $384.2 million in 1988, up 15 percent from the previous year. There were 44,000 Pennsylvania farms having cattle during 1988, down 2,000 from a year earlier. Farms with milk cows decreased 1,000 from 1987 to 17,500.

Pennsylvania ranked 17th in the United States in cattle inventory on January 1, 1989, and 5th in milk cow inventory.

HOGS: There were 970,000 hogs and pigs on Pennsylvania farms as of December 1, 1988, up 13 percent from the previous year. Breeding hog inventory, at 105,000 head, was 17 percent above the previous year. A total of 865,000 market hogs and pigs were on hand, 12 percent above 1987.

Pennsylvania's **pig crop** in 1988 was 1,273,000 head, up 1 percent from 1987. A total of 153,000 sows farrowed in 1988, averaging 8.3 pigs per litter.

Pork production was valued at $122.1 million for 1988, 18 percent less than in 1987. Hog farms numbered 9,500 in 1988, down 1,000 from the previous year.

Pennsylvania ranked 16th for hog and pig inventory as of December 1, 1988.

SHEEP: January 1, 1989 sheep and lamb inventory totaled 134,000 head, an increase of 22 percent from January 1, 1988. This is the highest inventory since 1974 for Pennsylvania. Commonwealth flocks included 101,000 sheep one year old and older and 33,000 lambs under 1 year old. Ewes one year old and over totaled 91,000 head, and ewe lambs totaled 22,000.

The total **lamb crop** for 1988 was 85,000 lambs, 13 percent more than in 1987. **Wool production** totaled 681,000 pounds from 104,000 sheep shorn during 1988. Sheep production in 1988 was valued at $4.2 million, down 4 percent from 1987. The value of wool produced during the year was $586,000, up 31 percent from 1987. Sheep farms numbered 4,700, unchanged from 1987.

Pennsylvania ranked 21st in the United States in sheep and lamb inventory as of January 1, 1989.

RED MEAT PRODUCTION: Pennsylvania red meat production in commercial slaughter establishments totaled 960,944,000 pounds, down 1 percent from 1987. There were 276 commercial slaughter plants in Pennsylvania on January 1, 1989, 5 fewer than in 1988.

Commercial **cattle** slaughter totaled 979,500 head in 1988, 4 percent less than the previous year. Total liveweight for cattle slaughtered was 1.2 billion pounds. Average liveweight was up 14 pounds from 1987 to 1,191 pounds. Slaughter of **calves** weighing less than 500 pounds liveweight totaled 274,700 head, down slightly from 1987. Total liveweight for calves slaughtered was 47,413,000 pounds. The average liveweight for calves, at 173 pounds, was up 2 pounds from 1987.

A total of 1,678,500 **hogs** were slaughtered during 1988, up 12 percent from 1987. Total liveweight for hogs and pigs slaughtered was 392,414,000 pounds for an average liveweight of 234 pounds, 5 pounds less than 1987.

Sheep and **lamb** slaughter, at 100,900 head, was 4 percent below the previous year. Total liveweight for sheep and lambs slaughtered was 10,870,000 pounds. Sheep slaughtered averaged 108 pounds liveweight, up 1 pound from the previous year.

Pennsylvania ranked 11th among all states in commercial red meat production in 1988. Pennsylvania's rankings by total head slaughtered were: 10th for cattle, 3rd for calves, 17th for hogs, and 11th for sheep.

PENNSYLVANIA: LIVESTOCK AND POULTRY INVENTORY, 1983-1989

Specie & Class	Number On Farms December 1					
	1983	1984	1985	1986	1987	1988
	Thousand Head					
Hogs And Pigs	950	800	780	890	860	970
Kept For Breeding	110	90	85	95	90	105
Market Hogs And Pigs	840	710	695	795	770	865
Under 60 Pounds	353	316	278	294	285	305
60-119 Pounds	202	140	163	207	190	229
120-179 Pounds	147	131	134	159	160	185
180 Pounds And Over	138	123	120	135	135	146
Chickens, Excluding Broilers	23,800	22,500	22,100	22,050	23,950	24,400
Hens And Pullets Of Laying Age	17,300	18,500	18,400	17,300	18,500	20,000
Hens	6,850	5,000	8,300	5,700	7,100	6,700
Pullets	10,450	13,500	10,100	11,600	11,400	13,300
Pullets Not Of Laying Age	6,340	3,800	3,520	4,600	5,320	4,270
3 Months And Older	2,940	1,880	1,710	2,200	2,400	1,560
Under 3 Months	3,400	1,920	1,810	2,400	2,920	2,710
Other Chickens, Excluding Broilers	160	200	180	150	130	130

	Number On Farms January 1					
	1984	1985	1986	1987	1988	1989
	Thousand Head					
Cattle And Calves	1,970	1,960	1,960	1,950	1,920	1,920
Cows And Heifers Calved	936	925	937	942	930	935
Milk Cows	738	735	747	730	724	719
Beef Cows	198	190	190	212	206	216
Heifers 500 Pounds And Over	376	394	376	386	379	380
Milk Cow Replacement	290	310	290	294	292	290
Beef Cow Replacement	39	41	37	40	39	39
Other	47	43	49	52	48	51
Steers 500 Pounds And Over	240	230	225	211	197	194
Bulls 500 Pounds And Over	36	33	29	30	30	31
Heifers, Steers And Bulls Under 500 Pounds	382	378	393	381	384	380
Cattle And Calves On Feed	80	85	85	80	75	75
Sheep And Lambs	104	88	93	104	110	134
Lambs	20	16	19	25	27	33
Ewes	15	12	14	18	19	22
Rams And Wethers	5	4	5	7	8	11
Sheep 1 Year And Older	84	72	74	79	83	101
Ewes	77	67	68	73	76	91
Rams And Wethers	7	5	6	6	7	10

PENNSYLVANIA: LIVESTOCK ON FARMS AND VALUE, JANUARY 1, 1960-1989

Year	Hogs & Pigs 1/		Cattle & Calves		Sheep & Lambs		3 Species
	Number	Value	Number	Value	Number	Value	Value
			Thousands				
1960	558	$12,332	1,913	$ 390,252	250	$3,800	$ 406,384
1965	424	18,020	1,874	335,446	189	2,778	348,917
1970	570	21,204	1,781	445,250	165	3,548	470,002
1975	590	27,435	1,960	529,200	125	3,500	560,135
1980	870	50,460	1,950	1,423,500	105	6,405	1,480,365
1983	870	66,990	2,000	1,290,000	98	6,223	1,363,213
1984	950	59,375	1,970	1,162,300	104	6,656	1,228,331
1985	800	63,200	1,960	1,127,000	88	5,896	1,196,096
1986	780	60,060	1,960	1,029,000	93	7,812	1,096,872
1987	890	88,110	1,950	1,072,500	104	7,652	1,166,462
1988	860	64,930	1,920	1,276,800	110	9,900	1,351,630
1989	970	68,385	1,920	1,324,800	134	10,117	1,403,302

1/ December 1 preceding year shown, 1970 to date.

PENNSYLVANIA: PIG CROP, 1960-1988

Year	Spring Crop (December-May)			Fall Crop (June-November)			Total Pig Crop
	Sows Farrowed	Pigs Per Litter	Pigs Saved	Sows Farrowed	Pigs Per Litter	Pigs Saved	
1960	61,000	7.1	433,000	54,000	7.2	389,000	822,000
1965	42,000	7.5	315,000	38,000	7.8	296,000	611,000
1970	57,000	7.5	428,000	56,000	7.6	426,000	854,000
1975	63,000	7.7	485,000	49,000	7.9	387,000	872,000
1980	87,000	7.5	653,000	85,000	7.4	629,000	1,282,000
1983	80,000	8.0	640,000	82,000	8.0	656,000	1,296,000
1984	77,000	8.0	616,000	68,000	8.0	544,000	1,160,000
1985	68,000	7.8	530,000	66,000	8.2	541,000	1,071,000
1986	72,000	7.5	540,000	78,000	8.0	624,000	1,164,000
1987	83,000	8.0	664,000	73,000	8.2	599,000	1,263,000
1988	72,000	8.4	605,000	81,000	8.2	668,000	1,273,000

PENNSYLVANIA: CALF CROP, 1960-1988

Year	All Cows That Have Calved 1/		Heifers 500 Pounds And Over 1/		Calves Under 500 Pounds 1/	Calves Born
	Milk Cows	Beef Cows	Milk Cow Replacement	Beef Cow Replacement		
			Thousand Head			
1960 2/	978	90	242	35	339	918
1965 2/	929	104	223	42	326	868
1970	712	145	210	35	306	831
1975	686	176	236	49	417	800
1980	712	198	266	46	398	800
1983	736	212	298	48	386	820
1984	738	198	290	39	382	830
1985	735	190	310	41	376	840
1986	747	190	290	37	393	880
1987	730	212	294	40	381	860
1988	724	206	292	39	384	880

1/ January 1 inventory. 2/ Prior to 1970, cattle were estimated by age.

PENNSYLVANIA: LAMB AND WOOL CROPS, 1960-1988

Year	Breeding Ewes 1 Year & Older January 1	Lambs Saved Per 100 Ewes 1+ January 1	Lambs Saved	Sheep Shorn	Weight Per Fleece	Wool Production	Value Of Wool Production
	Thousand	Number	Thousand		Pounds	1,000 Lbs.	1,000 Dollars
1960	169	95	161	230	7.3	1,679	823
1965	133	102	136	174	7.6	1,322	740
1970	122	101	123	152	7.3	1,110	477
1975	94	106	100	115	7.0	805	314
1980	78	106	83	98	6.9	676	527
1983	75	107	80	95	6.8	646	291
1984	77	104	80	97	6.7	650	455
1985	67	112	75	85	6.7	570	285
1986	68	116	79	99	6.9	683	423
1987	73	103	75	105	6.5	680	449
1988	76	112	85	104	6.5	681	586

PENNSYLVANIA: LIVESTOCK ON FARMS AND VALUE, 1988-1989

County & District	No. & Value December 1, 1988		Number And Value January 1, 1989				All Livestock
	Hogs And Pigs		Cattle And Calves		Sheep And Lambs		
	Head Number	Value Dollars	Head Number	Value Dollars	Head Number	Value Dollars	Value Dollars
Crawford	5,200	366,600	48,200	33,258,000	1,200	90,600	33,715,200
Erie	1,800	126,900	34,200	23,598,000	800	60,400	23,785,300
Forest	200	14,100	1,000	690,000	-	-	704,100
Mercer	5,600	394,800	35,200	24,288,000	3,800	286,900	24,969,700
Venango	2,300	162,150	11,100	7,659,600	1,900	143,450	7,964,600
Warren	400	28,200	15,300	10,557,000	1,800	135,900	10,721,100
NORTHWESTERN, TOTAL	**15,500**	**1,092,750**	**145,000**	**100,050,000**	**9,500**	**717,250**	**101,860,000**
Bradford	3,300	232,650	94,000	64,860,000	5,100	385,050	65,477,700
Cameron	100	7,050	400	276,000	-	-	283,050
Clinton	3,400	239,700	12,000	8,280,000	300	22,650	8,542,350
Elk	200	14,100	2,700	1,863,000	200	15,100	1,892,200
Lycoming	5,500	387,750	26,300	18,147,000	1,000	75,500	18,610,250
McKean	400	28,200	5,900	4,071,000	500	37,750	4,136,950
Potter	100	7,050	16,300	11,247,000	1,700	128,350	11,382,400
Sullivan	200	14,100	7,400	5,106,000	600	45,300	5,165,400
Tioga	3,800	267,900	52,000	35,880,000	3,100	234,050	36,381,950
NORTH CENTRAL, TOTAL	**17,000**	**1,198,500**	**217,000**	**149,730,000**	**12,500**	**943,750**	**151,872,250**
Lackawanna	500	35,250	9,500	6,555,000	600	45,300	6,635,550
Susquehanna	2,000	141,000	44,400	30,636,000	1,900	143,450	30,920,450
Wayne	900	63,450	31,200	21,528,000	1,300	98,150	21,689,600
Wyoming	600	42,300	14,900	10,281,000	700	52,850	10,376,150
NORTHEASTERN, TOTAL	**4,000**	**282,000**	**100,000**	**69,000,000**	**4,500**	**339,750**	**69,621,750**
Armstrong	5,600	394,800	19,500	13,455,000	1,800	135,900	13,985,700
Beaver	1,900	133,950	11,900	8,211,000	1,600	120,800	8,465,750
Butler	8,500	599,250	28,900	19,941,000	4,400	332,200	20,872,450
Clarion	3,500	246,750	17,000	11,730,000	1,000	75,500	12,052,250
Indiana	11,700	824,850	28,200	19,458,000	2,600	196,300	20,479,150
Jefferson	1,200	84,600	15,200	10,488,000	1,900	143,450	10,716,050
Lawrence	6,100	430,050	23,300	16,077,000	2,700	203,850	16,710,900
WEST CENTRAL, TOTAL	**38,500**	**2,714,250**	**144,000**	**99,360,000**	**16,000**	**1,208,000**	**103,282,250**
Blair	5,000	352,500	30,400	20,976,000	900	67,950	21,396,450
Cambria	4,800	338,400	12,900	8,901,000	800	60,400	9,299,800
Centre	8,500	599,250	35,400	24,426,000	2,700	203,850	25,229,100
Clearfield	1,200	84,600	9,900	6,831,000	500	37,750	6,953,350
Columbia	9,500	669,750	14,800	10,212,000	600	45,300	10,927,050
Dauphin	17,000	1,198,500	24,700	17,043,000	2,500	188,750	18,430,250
Huntingdon	5,000	352,500	30,800	21,252,000	2,200	166,100	21,770,600
Juniata	11,000	775,500	22,000	15,180,000	1,500	113,250	16,068,750
Mifflin	10,200	719,100	29,900	20,631,000	1,100	83,050	21,433,150
Montour	7,500	528,750	6,900	4,761,000	300	22,650	5,312,400
Northumberland	33,400	2,354,700	18,500	12,765,000	1,700	128,350	15,248,050
Perry	8,900	627,450	22,200	15,318,000	1,500	113,250	16,058,700
Snyder	20,800	1,466,400	20,500	14,145,000	1,200	90,600	15,702,000
Union	15,200	1,071,600	19,600	13,524,000	500	37,750	14,633,350
CENTRAL, TOTAL	**158,000**	**11,139,000**	**298,500**	**205,965,000**	**18,000**	**1,359,000**	**218,463,000**
Carbon	1,400	98,700	1,700	1,173,000	300	22,650	1,294,350
Lehigh	12,000	846,000	6,000	4,140,000	1,100	83,050	5,069,050
Luzerne	2,300	162,150	8,200	5,658,000	700	52,850	5,873,000
Monroe	1,700	119,850	3,100	2,139,000	300	22,650	2,281,500
Northampton	6,000	423,000	16,800	11,592,000	600	45,300	12,060,300
Pike	100	7,050	500	345,000	-	-	352,050
Schuylkill	17,500	1,233,750	12,700	8,763,000	1,000	75,500	10,072,250
EAST CENTRAL, TOTAL	**41,000**	**2,890,500**	**49,000**	**33,810,000**	**4,000**	**302,000**	**37,002,500**
Allegheny	1,100	77,550	5,700	3,933,000	1,500	113,250	4,123,800
Fayette	3,600	253,800	20,700	14,283,000	900	67,950	14,604,750
Greene	800	56,400	21,100	14,559,000	13,500	1,019,250	15,634,650
Somerset	11,100	782,550	50,600	34,914,000	3,900	294,450	35,991,000
Washington	5,500	387,750	45,800	31,602,000	10,600	800,300	32,790,050
Westmoreland	6,900	486,450	34,600	23,874,000	3,600	271,800	24,632,250
SOUTHWESTERN, TOTAL	**29,000**	**2,044,500**	**178,500**	**123,165,000**	**34,000**	**2,567,000**	**127,776,500**
Adams	26,500	1,868,250	32,200	22,218,000	3,400	256,700	24,342,950
Bedford	10,000	705,000	52,100	35,949,000	2,000	151,000	36,805,000
Cumberland	25,000	1,762,500	50,200	34,638,000	1,900	143,450	36,543,950
Franklin	51,000	3,595,500	94,800	65,412,000	2,200	166,100	69,173,600
Fulton	10,900	768,450	18,400	12,696,000	500	37,750	13,502,200
York	62,100	4,378,050	52,800	36,432,000	5,000	377,500	41,187,550
SOUTH CENTRAL, TOTAL	**185,500**	**13,077,750**	**300,500**	**207,345,000**	**15,000**	**1,132,500**	**221,555,250**
Berks	52,600	3,708,300	76,100	52,509,000	2,900	218,950	56,436,250
Bucks	5,500	387,750	16,600	11,592,000	2,300	173,650	12,153,400
Chester	14,100	994,050	63,400	43,746,000	3,000	226,500	44,966,550
Delaware	800	56,400	1,200	828,000	200	15,100	899,500
Lancaster	351,000	24,745,500	263,000	181,470,000	8,700	656,850	206,872,350
Lebanon	47,000	3,313,500	51,800	35,742,000	2,300	173,650	39,229,150
Montgomery	10,500	740,250	15,200	10,488,000	1,100	83,050	11,311,300
Philadelphia	-	-	-	-	-	-	-
SOUTHEASTERN, TOTAL	**481,500**	**33,945,750**	**487,500**	**336,375,000**	**20,500**	**1,547,750**	**371,868,500**
PENNSYLVANIA	**970,000**	**68,385,000**	**1,920,000**	**1,324,800,000**	**134,000**	**10,117,000**	**1,403,302,000**

PENNSYLVANIA: COMMERCIAL SLAUGHTER OF LIVESTOCK, 1987-1988 1/

Month	Number of Head		Liveweight			
			Per Head		Total Pounds	
	1987	1988	1987	1988	1987	1988
			Cattle			
January.....	84,000	78,400	1,173	1,200	98,583,000	94,003,000
February.....	78,500	77,100	1,179	1,207	92,457,000	93,084,000
March.....	87,600	88,700	1,188	1,207	104,073,000	106,999,000
April.....	89,100	77,200	1,189	1,207	106,003,000	93,202,000
May.....	86,700	78,300	1,188	1,197	103,057,000	93,698,000
June.....	85,400	79,400	1,171	1,180	100,007,000	93,664,000
July.....	80,200	79,000	1,161	1,174	93,183,000	92,760,000
August.....	84,900	85,300	1,156	1,169	98,125,000	99,666,000
September....	87,100	82,900	1,165	1,175	101,430,000	97,435,000
October.....	90,100	84,600	1,172	1,179	105,598,000	99,772,000
November.....	82,400	86,600	1,183	1,188	97,546,000	102,889,000
December.....	86,400	82,000	1,198	1,208	103,494,000	99,105,000
Annual....	1,022,400	979,500	1,177	1,191	1,203,554,000	1,166,279,000
			Calves			
January.....	22,400	21,100	171	163	3,819,000	3,438,000
February.....	21,400	21,800	177	168	3,782,000	3,660,000
March.....	24,600	24,000	174	164	4,267,000	3,931,000
April.....	19,400	17,900	179	173	3,476,000	3,093,000
May.....	16,600	17,500	194	185	3,228,000	3,247,000
June.....	22,500	23,600	173	176	3,893,000	4,145,000
July.....	23,300	26,600	172	162	4,011,000	4,304,000
August.....	22,000	26,400	168	167	3,700,000	4,417,000
September....	24,600	24,300	165	177	4,065,000	4,303,000
October.....	26,900	22,400	171	179	4,591,000	4,012,000
November.....	22,900	24,400	163	178	3,734,000	4,331,000
December.....	29,400	24,800	159	183	4,660,000	4,531,000
Annual....	275,900	274,700	171	173	47,227,000	47,413,000
			Hogs			
January.....	126,600	121,400	240	237	30,394,000	28,782,000
February.....	118,100	123,000	239	232	28,275,000	28,545,000
March.....	131,000	142,500	240	233	31,395,000	33,272,000
April.....	127,200	122,400	239	234	30,438,000	28,701,000
May.....	116,300	129,100	237	239	27,494,000	30,902,000
June.....	125,100	134,600	235	233	29,376,000	31,373,000
July.....	119,500	120,700	235	226	28,041,000	27,309,000
August.....	118,000	141,500	232	228	27,421,000	32,290,000
September....	123,800	138,600	239	233	29,566,000	32,264,000
October.....	127,700	150,900	243	237	31,060,000	35,744,000
November.....	121,400	168,000	243	238	29,501,000	39,916,000
December.....	145,100	185,800	243	233	35,314,000	43,316,000
Annual....	1,499,700	1,678,500	239	234	358,266,000	392,414,000
			Sheep And Lambs			
January.....	8,400	9,100	111	108	933,000	979,000
February.....	7,900	6,300	110	108	875,000	683,000
March.....	8,200	10,800	112	106	917,000	1,143,000
April.....	13,500	5,500	99	99	1,337,000	545,000
May.....	7,300	8,000	103	107	745,000	848,000
June.....	9,500	10,300	104	109	989,000	1,125,000
July.....	8,500	7,200	107	110	910,000	788,000
August.....	8,500	10,100	106	110	902,000	1,114,000
September....	8,600	8,800	106	106	913,000	928,000
October.....	7,500	8,900	108	106	807,000	939,000
November.....	8,200	8,400	110	109	905,000	923,000
December.....	9,100	7,700	110	110	1,003,000	855,000
Annual....	105,200	100,900	107	108	11,234,000	10,870,000

1/ Months may not add to annual due to rounding.

PENNSYLVANIA: COMMERCIAL SLAUGHTER OF LIVESTOCK, 1960-1988

Year	Cattle		Calves		Hogs		Sheep & Lambs	
	Head	Total Liveweight	Head	Total Liveweight	Head	Total Liveweight	Head	Total Liveweight
	Thousands							
1960.....	830.0	900,687	668.0	84,586	2,725.0	593,126	392.5	35,779
1965.....	901.0	961,949	643.0	84,717	2,910.0	661,201	197.3	17,632
1970.....	745.5	841,645	374.0	50,165	3,783.0	847,031	106.9	9,706
1975.....	938.5	999,105	343.4	39,862	2,452.0	559,107	153.8	15,127
1980.....	715.5	813,313	253.9	38,746	3,387.8	760,776	153.3	15,602
1983.....	948.9	1,087,388	302.9	51,027	2,448.1	566,536	150.7	15,214
1984.....	977.4	1,115,097	286.7	48,291	2,138.4	504,053	173.2	17,694
1985.....	988.2	1,157,847	301.3	50,810	1,629.8	380,844	140.9	14,684
1986.....	1,125.5	1,315,940	287.2	48,700	1,526.7	355,318	130.7	13,191
1987.....	1,022.4	1,203,554	275.9	47,227	1,499.7	358,266	105.2	11,234
1988.....	979.5	1,166,279	274.7	47,413	1,678.5	392,414	100.9	10,870

PENNSYLVANIA: CATTLE AND CALVES PRODUCTION, DISPOSITION AND INCOME, 1960-1988

Year	Inventory January 1	Calf Crop	Inshipments	Marketings		Farm Slaughter	Deaths		Inventory January 1 Following	Gross Income 1/
				Cattle	Calves		Cattle	Calves		
	Thousands									
1960.....	1,913	918	167	413	478	43	28	85	1,951	$ 99,637
1965.....	1,874	888	151	465	477	41	28	84	1,818	101,706
1970.....	1,781	831	120	396	455	22	26	70	1,763	128,514
1975.....	1,960	800	99	402	347	20	35	95	1,960	152,624
1980.....	1,950	800	120	435	286	24	35	90	2,000	329,108
1983.....	2,000	820	140	503	353	19	35	80	1,970	336,343
1984.....	1,970	830	130	490	345	15	35	85	1,960	323,231
1985.....	1,960	840	130	495	345	15	35	80	1,960	310,222
1986.....	1,960	880	120	520	365	15	35	75	1,950	322,825
1987.....	1,950	860	120	527	365	15	33	70	1,920	398,890
1988.....	1,920	880	100	512	355	13	30	70	1,920	426,045

1/ Value of marketings and home consumption.

PENNSYLVANIA: HOGS AND PIGS PRODUCTION, DISPOSITION AND INCOME, 1960-1988

Year	Inventory December 1 1/	Pigs Saved	Marketings	Farm Slaughter	Deaths	Inventory December 1	Gross Income 2/
	Thousands						
1960 3/.....	558	822	593	159	103	525	$ 27,507
1965.....	461	611	486	85	77	424	26,748
1970.....	570	854	659	46	92	627	38,464
1975.....	590	872	672	51	87	660	77,296
1980.....	870	1,282	948	64	160	980	89,466
1983.....	870	1,296	1,081	25	110	950	123,987
1984.....	950	1,160	1,180	25	105	800	139,769
1985.....	800	1,071	971	30	90	780	106,908
1986.....	780	1,164	929	25	100	890	112,483
1987.....	890	1,263	1,253	25	90	860	155,902
1988.....	860	1,273	1,148	25	80	970	119,400

1/ December 1 preceding year. 2/ Value of marketings and home consumption. 3/ 1960 data on basis of a January 1 inventory.

PENNSYLVANIA: SHEEP AND LAMB PRODUCTION, DISPOSITION AND INCOME, 1960-1988

Year	Inventory January 1	Lambs Saved	Marketings		Farm Slaughter	Deaths		Inventory January 1 Following	Gross Income 1/
			Sheep	Lambs		Sheep	Lambs		
	Thousands								
1960.....	250	161	38	98	4	24	13	235	$1,780
1965.....	189	136	21	86	4	19	10	185	1,815
1970.....	165	123	17	75	3	20	13	160	1,905
1975.....	125	100	7	64	3	21	10	120	2,412
1980.....	105	83	10	47	5	11	10	105	3,169
1983.....	98	80	6	45	5	8	10	104	3,184
1984.....	104	80	24	50	3	8	11	88	3,796
1985.....	88	75	6	42	4	8	10	93	3,217
1986.....	93	79	7	41	2	7	11	104	3,156
1987.....	104	75	15	35	3	6	10	110	3,625
1988.....	110	85	6	42	2	6	10	134	3,465

1/ Value of marketings and home consumption.

PENNSYLVANIA: CATTLE AND CALVES - PERCENT OF OPERATIONS AND INVENTORY BY SIZE GROUPS, 1980-1988

Year	1-49 Head		50-99 Head		100-499 Head		500 Head And Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	Percent							
1980.....	72.9	26.5	19.1	35.7	8.0	35.7	1/	2.1
1981.....	71.5	25.5	20.0	36.0	8.5	35.5	1/	3.0
1982.....	70.2	26.5	20.0	33.0	9.8	37.9	1/	2.6
1983.....	70.2	26.3	19.4	32.3	10.4	36.7	1/	2.7
1984.....	68.1	24.2	20.4	32.6	11.5	40.5	1/	2.7
1985.....	69.6	23.5	18.7	31.5	11.7	41.9	1/	3.1
1986.....	69.5	23.5	18.5	30.3	12.0	43.1	1/	3.1
1987.....	69.5	22.6	18.5	30.5	12.0	43.3	1/	3.6
1988.....	68.2	22.7	19.3	30.7	12.5	43.1	1/	3.5

1/ Combined with next smaller size group.

PENNSYLVANIA: MILK COWS - PERCENT OF OPERATIONS AND INVENTORY BY SIZE GROUPS, 1980-1988

Year	1-29 Head		30-49 Head		50-99 Head		100 Head And Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	Percent							
1980.....	49.0	15.0	30.0	34.5	16.5	32.0	4.5	18.5
1981.....	44.5	13.5	32.5	35.0	18.5	33.0	4.5	18.5
1982.....	43.5	14.0	31.5	33.0	20.0	34.5	5.0	18.5
1983.....	43.5	13.0	30.0	31.5	21.5	36.5	5.0	19.0
1984.....	38.6	11.3	30.5	31.6	25.7	38.9	5.2	18.2
1985.....	39.1	11.0	30.0	29.1	25.2	39.2	5.7	20.7
1986.....	35.9	10.0	30.8	29.3	27.2	39.1	6.1	21.6
1987.....	34.0	9.9	31.9	29.1	27.6	39.0	6.5	22.0
1988.....	32.6	9.5	32.6	29.3	28.5	40.2	6.3	21.0

PENNSYLVANIA: BEEF COWS - PERCENT OF OPERATIONS AND INVENTORY BY SIZE GROUPS, 1986-1988

Year	1-49 Head		50-99 Head		100 Head And Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
	Percent					
1986 2/....	97.8	84.0	2.2	9.9	1/	6.1
1987.....	97.8	84.5	2.2	9.7	1/	5.8
1988.....	97.1	81.5	2.9	12.5	1/	6.0

1/ Combined with next smaller size group. 2/ Estimates of beef cows by size groups prior to 1986 are not available.

POULTRY PRODUCTION SUMMARY - 1988

BY TRENT A. WICKWIRE

The Pennsylvania poultry industry set new production records for eggs and broilers for the year ending November 30, 1988, surpassing the previous records set in 1987. The combined value of production from broilers, eggs, and turkeys, plus the value of chicken sales, in 1988 was $387,972,000, a 12 percent increase over 1987. Of the combined total, 43 percent was generated from egg production, 40 percent from broiler production, 16 percent from turkey production, and 1 percent from the sale of other chickens. Pennsylvania was ranked among the top ten states for all poultry inventory and production statistics except broilers produced for 1988.

The inventory number of all chickens, excluding broilers, on December 1, 1988 was 24.4 million, up 2 percent from 1987 and the highest inventory since 1950. Hens and pullets of laying age numbered 20.0 million, up from 18.5 million one year earlier. Hens and pullets of laying age included 6.7 million hens one year old and over and 13.3 million pullets of laying age. Pullets not of laying age totaled 4.3 million on December 1, nearly 20 percent less than the inventory one year earlier. Pullets not of laying age included 1.6 million pullets 3 months old and older and 2.7 million birds under 3 months of age. Other chickens numbered 130,000, unchanged from 1987. The total value of the chicken inventory on December 1, 1988 was $41,480,000. Pennsylvania ranked 3rd in the United States for all chicken inventory, advancing past Georgia, Arkansas, and Ohio.

Pennsylvania laying flocks produced a record 5.3 billion eggs during the December 1, 1987 through November 30, 1988 period, 9 percent more than the same period ending in 1987. Total value of the eggs produced, based on an average price of 42 cents per dozen received during the year, was $185,570,000, up 7 percent from the previous year. An average of 19.8 million hens were in Commonwealth flocks, with each hen producing an average of 268 eggs during the year. This compares with 18.3 million hens producing an average of 266 eggs for the twelve month period ending November 30, 1987. Egg prices remained weak, averaging 42.0 cents per dozen during the year. Pennsylvania's rank among all states for egg production remained 3rd, behind California and Indiana.

The value of broilers produced from December 1, 1987 through November 30, 1988 was $175,883,000, up 25 percent from the previous year. A record 126.9 million broilers were produced, compared with 115.6 million the year before. Average liveweights remained at 4.2 pounds per bird, for a total production of 532,980,000 pounds. The average price received per pound for live broilers was 33.0 cents, 4 cents more than in 1987. Pennsylvania replaced Florida as the 11th largest broiler producing state in 1988.

Turkey producers raised a total of 7.9 million poults during 1988, 1 percent less than the record 8.0 million produced in 1987. Producers received an average of 44.0 cents per pound for turkeys in 1988, up 2 cents from the 1987 average price. Total value of turkey production from December 1, 1987 through November 30, 1988 was $69.5 million, 3 percent higher than in 1987. Pennsylvania displaced Iowa to become the 8th largest turkey producing state in the nation.

Commercial hatcheries hatched a record 142.8 million broiler type chicks during 1988, up 10 percent from the previous record set in 1987. Egg type chicks hatched totaled 42.0 million for the year ending November 30, 1988, 6 percent below the previous year. Pennsylvania remained 2nd in the nation in number of egg type chickens hatched in 1988, and 10th in broiler type chicks hatched.

PENNSYLVANIA: CHICKEN INVENTORY ON FARMS DECEMBER 1, 1960-1988

Year	Layers			Pullets Not Laying	Other Chickens	Total Chickens 1/	
	Hens	Pullets	Total			Number	Value-Dollars
				Thousands			
1960 3/	6,535	13,562	20,097	2/	1,081	21,178	29,649
1965 3/	7,117	9,070	16,187	3,188	201	19,576	29,364
1970	6,213	8,633	14,846	3,239	157	18,242	28,275
1975	4,958	6,427	11,385	2,353	112	13,850	23,545
1978	5,546	9,754	15,300	3,537	188	19,025	34,435
1979	5,230	11,370	16,600	4,121	209	20,930	35,581
1980	6,080	10,770	16,850	3,974	126	20,950	34,568
1981	6,020	11,130	17,150	4,256	194	21,600	36,720
1982	5,150	12,450	17,600	4,730	170	22,500	36,000
1983	6,850	10,450	17,300	6,340	160	23,800	44,030
1984	5,000	13,500	18,500	3,800	200	22,500	50,625
1985	8,300	10,100	18,400	3,520	180	22,100	36,465
1986	5,700	11,600	17,300	4,600	150	22,050	40,793
1987	7,100	11,400	18,500	5,320	130	23,950	40,715
1988	6,700	13,300	20,000	4,270	130	24,400	41,480

1/ Excludes commercial broilers. 2/ Included in pullets of laying age. 3/ January 1 inventory.

PENNSYLVANIA: LAYERS, EGG PRODUCTION, EGG PRICES & HATCH DATA, BY MONTHS, 1960-1988

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg. Or Total 1/
NUMBER OF LAYERS (THOUSANDS)													
1960...	17,768	17,289	16,753	16,300	15,933	15,614	15,426	15,594	16,142	16,794	17,286	17,408	16,526
1965...	16,122	15,978	15,834	15,691	15,464	15,392	15,352	15,290	15,396	15,296	15,247	15,284	15,529
1970...	14,464	14,470	14,454	14,287	14,173	13,905	14,022	14,495	14,601	14,674	14,818	14,772	14,415
1975...	12,200	12,014	11,834	11,596	11,422	11,250	11,193	11,193	11,221	11,249	11,317	11,385	11,573
1980...	16,751	16,586	16,475	16,290	15,865	15,865	15,951	16,088	16,225	16,438	16,826	16,813	16,339
1982 2/	16,876	16,863	-	16,450	-	-	16,025	-	-	16,813	-	17,700	16,552
1983...	17,913	18,063	17,838	17,775	17,688	17,700	17,901	18,350	18,701	19,050	18,250	18,000	18,094
1984...	14,350	14,000	14,763	15,775	16,713	17,363	16,563	15,876	16,663	18,313	18,876	18,301	16,274
1985...	18,013	17,800	17,675	17,913	17,975	17,750	17,875	18,200	18,663	19,175	18,888	18,300	18,187
1986...	18,163	18,263	18,138	17,775	17,913	17,825	17,900	17,963	17,613	17,713	17,563	17,301	17,927
1987...	18,200	18,663	18,738	18,675	18,250	17,950	17,988	18,088	18,150	18,450	18,600	19,276	18,266
1988...	20,051	19,975	19,863	19,825	19,763	19,525	19,375	19,600	19,838	19,976	20,038	19,675	19,758
NUMBER OF EGGS PRODUCED (MILLION)													
1960...	319	299	316	307	316	289	284	277	268	281	281	292	3,529
1965...	296	271	302	296	305	287	289	281	268	268	256	269	3,392
1970...	276	247	276	269	277	262	266	269	265	275	265	276	3,220
1975...	252	228	248	236	241	228	230	224	213	227	225	233	2,600
1980...	378	347	369	353	352	339	344	341	339	361	360	375	4,251
1982 2/	383	343	-	1,075	-	-	1,023	-	-	1,111	-	406	4,324
1983...	406	367	399	383	394	375	389	397	395	419	387	357	4,716
1984...	317	286	321	331	365	371	372	357	367	421	417	415	4,282
1985...	406	359	398	389	400	381	395	403	399	422	407	406	4,774
1986...	399	360	399	380	399	389	401	403	380	393	383	393	4,692
1987...	409	382	424	408	412	396	400	401	397	418	413	447	4,853
1988...	452	420	459	442	442	411	428	447	442	464	448	450	5,302
AVERAGE PRICES RECEIVED FOR EGGS (PER DOZEN)													
1960...	.350	.330	.360	.430	.370	.360	.360	.400	.450	.510	.510	.510	.409
1965...	.330	.340	.330	.370	.300	.320	.340	.380	.400	.390	.410	.440	.361
1970...	.580	.530	.460	.360	.300	.300	.340	.340	.390	.340	.350	.390	.409
1975...	.582	.558	.539	.495	.565	.424	.446	.460	.521	.529	.536	.589	.512
1980...	.540	.456	.491	.480	.449	.438	.456	.521	.560	.555	.594	.684	.510
1982 2/	.383	.660	.620	.610	.530	.460	.530	.460	.510	.550	.550	.510	.560
1983...	.500	.510	.520	.550	.560	.570	.540	.560	.620	.670	.710	.620	.567
1984...	.940	1.020	.840	.850	.650	.630	.580	.560	.560	.550	.550	.570	.700
1985...	.520	.460	.500	.500	.500	.470	.510	.520	.570	.600	.620	.670	.530
1986...	.660	.650	.620	.630	.570	.480	.520	.550	.510	.430	.550	.480	.570
1987...	.470	.440	.410	.420	.360	.350	.370	.300	.440	.350	.440	.310	.400
1988...	.350	.350	.360	.340	.340	.350	.430	.480	.460	.490	.490	.480	.400
EGG-TYPE CHICK HATCH (THOUSANDS)													
1960...	1,919	2,850	4,617	4,613	4,589	2,602	1,010	799	994	840	787	1,288	26,908
1965...	1,951	2,072	3,539	3,606	3,423	2,975	1,442	1,971	1,450	1,547	1,903	1,640	27,521
1970...	2,458	2,422	3,201	3,289	2,995	2,382	2,463	1,606	2,224	2,107	1,664	1,942	28,753
1975...	1,535	1,815	2,360	2,592	2,363	2,087	1,638	1,650	1,506	1,710	1,272	1,564	22,094
1980...	2,336	2,614	2,832	3,264	2,971	3,226	3,266	3,007	3,003	3,046	2,448	2,914	34,927
1982...	3,234	4,342	4,261	4,491	4,709	4,476	3,271	4,068	3,156	3,029	3,354	3,511	45,902
1983...	3,762	3,948	4,857	3,885	4,929	4,814	3,347	3,801	3,352	3,543	3,546	2,264	46,048
1984...	1,544	1,709	3,100	4,144	4,102	3,581	2,537	2,087	2,152	2,785	3,115	2,652	33,706
1985...	2,363	2,319	3,337	3,666	3,741	3,555	3,299	2,852	2,759	3,303	3,722	4,018	38,934
1986...	2,971	2,970	3,563	4,559	4,842	4,051	3,217	3,657	3,153	3,369	2,933	3,789	43,094
1987...	3,212	3,833	4,443	4,366	4,150	4,066	3,326	3,868	3,236	3,819	3,114	3,428	44,861
1988...	3,119	3,040	3,426	4,172	4,436	4,034	3,374	3,347	3,368	3,208	3,582	2,896	42,002
BROILER-TYPE CHICK HATCH (THOUSANDS)													
1960...	4,638	4,067	4,492	4,194	5,218	4,596	5,040	4,264	3,590	3,722	4,039	4,668	52,526
1965...	4,439	4,396	4,651	4,830	4,990	4,987	4,867	4,605	4,507	3,938	4,365	4,650	55,225
1970...	6,283	5,815	6,347	6,337	6,648	6,555	6,328	6,441	5,718	5,754	5,937	6,276	74,439
1975...	6,641	6,185	7,286	7,278	7,469	7,172	7,677	7,283	6,948	7,283	6,597	7,314	85,133
1980...	10,330	10,151	10,933	10,726	11,283	10,815	10,474	10,436	9,830	10,397	9,602	10,235	125,212
1982...	10,591	9,334	11,262	10,927	11,191	11,071	11,020	10,684	10,187	10,114	9,733	10,495	126,609
1983...	10,363	9,217	10,956	9,436	9,013	8,454	8,320	9,049	9,013	8,652	7,354	7,317	107,144
1984...	7,149	6,753	8,234	7,895	8,208	7,831	7,611	8,169	7,924	8,010	7,413	8,849	94,246
1985...	8,964	7,756	9,829	9,003	9,678	9,151	9,857	9,683	9,738	9,080	9,032	10,145	111,916
1986...	10,185	8,667	8,699	8,845	9,261	9,851	9,857	10,054	9,822	10,106	9,614	10,327	115,288
1987...	10,862	9,490	11,050	10,533	11,278	10,948	11,091	11,143	10,614	11,478	10,604	11,373	130,464
1988...	11,782	10,922	12,498	12,086	12,603	12,034	11,936	11,879	11,865	11,818	11,552	11,645	142,820

1/ For layers, eggs, and prices, marketing year from 1970 to present runs from December 1 through November 30. 2/ For March through November 1982 average layer numbers and egg production estimates were made on a quarterly basis covering the periods March-May, June-August, and September-November. 3/ Average prices received are for market eggs only after 1980.

PENNSYLVANIA: CHICKENS ON FARMS AND VALUE DECEMBER 1, 1988 1/

County & District	Chickens: Number On Farms By Class			All Chickens	
	Hens & Pullets Of Laying Age	Pullets Not Of Laying Age	Other Chickens	Number	Value (Dollars)
Crawford	227,700	65,800	500	294,000	499,800
Erie	43,000	700	300	44,000	74,800
Forest	300	100	100	500	900
Mercer	30,000	800	200	31,000	52,700
Venango	3,000	300	200	3,500	6,000
Warren	22,000	800	200	23,000	39,100
NORTHWESTERN, TOTAL	**326,000**	**68,500**	**1,500**	**396,000**	**673,300**
Bradford	315,000	82,000	500	397,500	675,800
Cameron	300	100	100	500	900
Clinton	33,500	200	300	34,000	57,800
Elk	86,000	400	600	87,000	147,900
Lycoming	91,200	500	300	92,000	156,400
McKean	1,000	10,300	200	11,500	19,600
Potter	700	200	100	1,000	1,700
Sullivan	800	400	300	1,500	2,600
Tioga	23,500	10,500	500	34,500	58,700
NORTH CENTRAL, TOTAL	**552,000**	**104,600**	**2,900**	**659,500**	**1,121,400**
Lackawanna	1,700	200	100	2,000	3,400
Susquehanna	17,000	300	200	17,500	29,800
Wayne	2,000	400	100	2,500	4,300
Wyoming	800	100	100	1,000	1,700
NORTHEASTERN, TOTAL	**21,500**	**1,000**	**500**	**23,000**	**39,200**
Armstrong	3,500	400	100	4,000	6,800
Beaver	26,000	3,500	500	30,000	51,000
Butler	44,500	300	200	45,000	76,500
Clarion	3,000	200	300	3,500	6,000
Indiana	8,000	77,800	200	86,000	146,200
Jefferson	4,000	300	200	4,500	7,700
Lawrence	139,000	600	400	140,000	238,000
WEST CENTRAL, TOTAL	**228,000**	**83,100**	**1,900**	**313,000**	**532,200**
Blair	71,000	20,000	500	91,500	155,600
Cambria	24,000	600	400	25,000	42,500
Centre	19,000	600	400	20,000	34,000
Clearfield	2,000	700	300	3,000	5,100
Columbia	36,000	800	200	37,000	62,900
Dauphin	585,000	270,000	500	855,500	1,454,400
Huntingdon	5,000	800	200	6,000	10,200
Juniata	169,500	125,000	4,500	299,000	508,300
Mifflin	60,000	65,000	12,000	137,000	232,900
Montour	1,000	400	100	1,500	2,600
Northumberland	335,000	3,000	2,000	340,000	578,000
Perry	250,000	500	500	251,000	426,700
Snyder	215,000	15,000	500	230,500	391,900
Union	60,000	9,000	1,500	70,500	119,900
CENTRAL, TOTAL	**1,832,500**	**511,400**	**23,600**	**2,367,500**	**4,025,000**
Carbon	15,000	500	500	16,000	27,200
Lehigh	116,000	1,400	600	118,000	200,600
Luzerne	85,000	300	200	85,500	145,400
Monroe	1,000	400	100	1,500	2,600
Northampton	105,000	1,000	500	106,500	181,100
Pike	1,000	400	100	1,500	2,600
Schuylkill	520,000	38,000	2,000	560,000	952,000
EAST CENTRAL, TOTAL	**843,000**	**42,000**	**4,000**	**889,000**	**1,511,500**
Allegheny	14,000	800	200	15,000	25,500
Fayette	65,000	300	200	65,500	111,400
Greene	2,000	300	200	2,500	4,300
Somerset	88,000	95,000	2,000	185,000	314,500
Washington	8,500	200	300	9,000	15,300
Westmoreland	61,000	20,000	1,000	82,000	139,400
SOUTHWESTERN, TOTAL	**238,500**	**116,600**	**3,900**	**359,000**	**610,400**
Adams	2,250,000	115,000	1,000	2,366,000	4,022,200
Bedford	26,000	3,500	500	30,000	51,000
Cumberland	600,000	49,000	1,000	650,000	1,105,000
Franklin	710,000	235,000	5,000	950,000	1,615,000
Fulton	2,500	400	100	3,000	5,100
York	820,000	55,000	10,000	885,000	1,504,500
SOUTH CENTRAL, TOTAL	**4,408,500**	**457,900**	**17,600**	**4,884,000**	**8,302,800**
Berks	385,000	295,000	1,500	681,500	1,158,600
Bucks	16,100	10,000	400	26,500	45,100
Chester	565,000	85,000	2,000	652,000	1,108,400
Delaware	300	100	100	500	900
Lancaster	9,493,300	1,945,700	59,500	11,498,500	19,546,100
Lebanon	975,000	538,000	9,000	1,522,000	2,587,400
Montgomery	115,000	11,000	1,500	127,500	216,800
Philadelphia	300	100	100	500	900
SOUTHEASTERN, TOTAL	**11,550,000**	**2,884,900**	**74,100**	**14,509,000**	**24,664,200**
PENNSYLVANIA	**20,000,000**	**4,270,000**	**130,000**	**24,400,000**	**41,480,000**

1/ Excludes broilers. Broiler production by county is shown later in this section.

PENNSYLVANIA: NUMBER OF LAYERS, EGG PRODUCTION AND VALUE OF PRODUCTION - 1988

County & District	Average Number Of Layers	Total Egg Production 1/	Value of Production
		(000)	Dollars
Crawford	238,200	63,920	2,237,000
Erie	44,100	11,834	414,000
Forest	400	107	4,000
Mercer	28,200	7,567	265,000
Venango	3,100	832	29,000
Warren	22,100	5,930	208,000
NORTHWESTERN, TOTAL	**336,100**	**90,190**	**3,157,000**
Bradford	288,000	77,281	2,705,000
Cameron	400	107	4,000
Clinton	34,700	9,312	326,000
Elk	91,100	24,446	856,000
Lycoming	92,500	24,822	869,000
McKean	1,000	268	9,000
Potter	900	242	8,000
Sullivan	900	242	8,000
Tioga	24,900	6,682	234,000
NORTH CENTRAL, TOTAL	**534,400**	**143,402**	**5,019,000**
Lackawanna	2,000	537	19,000
Susquehanna	17,400	4,669	163,000
Wayne	2,100	564	20,000
Wyoming	900	242	8,000
NORTHEASTERN, TOTAL	**22,400**	**6,012**	**210,000**
Armstrong	3,900	1,047	37,000
Beaver	25,700	6,897	241,000
Butler	48,000	12,881	451,000
Clarion	3,100	832	29,000
Indiana	10,300	2,764	97,000
Jefferson	4,600	1,234	43,000
Lawrence	133,900	35,932	1,258,000
WEST CENTRAL, TOTAL	**229,500**	**61,587**	**2,156,000**
Blair	42,100	11,297	395,000
Cambria	28,700	7,702	270,000
Centre	19,500	5,233	183,000
Clearfield	2,100	564	20,000
Columbia	32,800	8,802	308,000
Dauphin	594,800	159,613	5,586,000
Huntingdon	5,100	1,369	48,000
Juniata	153,200	41,111	1,439,000
Mifflin	87,200	23,400	819,000
Montour	1,000	268	9,000
Northumberland	310,000	83,188	2,912,000
Perry	256,600	68,858	2,410,000
Snyder	119,600	32,094	1,123,000
Union	66,200	17,765	622,000
CENTRAL, TOTAL	**1,718,900**	**461,264**	**16,144,000**
Carbon	15,900	4,267	149,000
Lehigh	112,900	30,296	1,060,000
Luzerne	86,200	23,132	810,000
Monroe	1,000	268	9,000
Northampton	114,400	30,699	1,074,000
Pike	1,000	268	9,000
Schuylkill	567,100	157,547	5,514,000
EAST CENTRAL, TOTAL	**918,500**	**246,477**	**8,625,000**
Allegheny	19,000	5,099	178,000
Fayette	68,800	18,462	646,000
Greene	2,100	564	20,000
Somerset	94,400	25,332	887,000
Washington	8,500	2,281	80,000
Westmoreland	64,100	17,201	602,000
SOUTHWESTERN, TOTAL	**256,900**	**68,939**	**2,413,000**
Adams	1,961,400	526,336	18,422,000
Beaford	25,700	6,897	241,000
Cumberland	593,200	159,183	5,571,000
Franklin	603,000	161,813	5,663,000
Fulton	2,900	778	27,000
York	848,300	227,639	7,967,000
SOUTH CENTRAL, TOTAL	**4,034,500**	**1,082,646**	**37,891,000**
Berks	377,200	101,220	3,543,000
Bucks	17,600	4,723	165,000
Chester	484,400	129,967	4,550,000
Delaware	400	107	4,000
Lancaster	9,558,700	2,565,046	89,779,000
Lebanon	1,133,100	304,064	10,642,000
Montgomery	135,000	36,227	1,268,000
Philadelphia	400	107	4,000
SOUTHEASTERN, TOTAL	**11,706,800**	**3,141,483**	**109,955,000**
PENNSYLVANIA	**19,758,000**	**5,302,000**	**185,570,000**

1/ Based on an annual average of 268 eggs produced per layer per year.

PENNSYLVANIA: BROILER-TYPE EGGS SET, BROILER CHICKS HATCHED AND PLACED BY WEEKS, 1986-1988

Year And Week Ending	Eggs Set 1/	Chicks Hatched	Broilers Placed 2/	Year And Week Ending	Eggs Set 1/	Chicks Hatched	Broilers Placed 2/
		Thousand				Thousand	
1986:				1987:			
Nov. 15	2,899	2,140	2,022	Nov. 14	3,333	2,423	2,301
22	2,797	2,323	2,110	21	3,567	2,718	2,427
29	3,039	2,331	2,188	28	3,731	2,842	2,607
Dec. 6	2,920	2,310	2,200	Dec. 5	3,303	2,582	2,446
13	2,878	2,231	2,165	12	3,334	2,807	2,461
20	3,051	2,441	2,228	19	3,500	2,939	2,702
27	3,053	2,345	2,227	26	3,313	2,618	2,428
1987:				1988:			
Jan. 3	3,055	2,330	2,230	Jan. 2	3,516	2,608	2,433
10	3,102	2,455	2,376	9	3,233	2,751	2,612
17	3,155	2,470	2,323	16	3,582	2,614	2,403
24	2,933	2,459	2,384	23	3,235	2,742	2,562
31	2,795	2,478	2,316	30	3,271	2,529	2,288
Feb. 7	2,980	2,502	2,337	Feb. 6	3,521	2,795	2,509
14	3,111	2,337	2,141	13	3,552	2,471	2,285
21	3,207	2,307	2,248	20	3,633	2,595	2,279
28	3,144	2,344	2,177	27	3,822	2,670	2,339
Mar. 7	3,292	2,457	2,279	Mar. 5	3,606	2,764	2,459
14	2,918	2,547	2,420	12	3,513	2,715	2,506
21	2,950	2,452	2,314	19	3,741	2,994	2,678
28	3,137	2,605	2,469	26	3,481	2,823	2,668
Apr. 4	3,170	2,306	2,258	Apr. 2	3,533	2,791	2,590
11	3,288	2,340	2,292	9	3,512	2,973	2,650
18	3,211	2,490	2,288	16	3,608	2,778	2,653
25	3,268	2,524	2,398	23	3,671	2,779	2,443
				30	3,564	2,758	2,422
May. 2	3,150	2,608	2,432				
9	3,134	2,554	2,339	May. 7	3,554	2,862	2,514
16	3,136	2,668	2,517	14	3,536	2,912	2,620
23	3,357	2,481	2,294	21	3,747	2,781	2,648
30	3,158	2,476	2,442	28	3,560	2,855	2,630
Jun. 6	3,294	2,468	2,392	Jun. 4	3,415	2,780	2,581
13	3,223	2,614	2,457	11	3,403	2,917	2,720
20	3,319	2,542	2,409	18	3,574	2,902	2,734
27	3,334	2,619	2,541	25	3,452	2,708	2,557
Jul. 4	2,932	2,466	2,279	Jul. 2	3,178	2,689	2,544
11	3,295	2,622	2,521	9	3,721	2,696	2,505
18	3,066	2,596	2,466	16	3,357	2,702	2,438
25	3,335	2,238	2,036	23	3,358	2,488	2,239
				30	3,459	2,911	2,578
Aug. 1	3,210	2,599	2,331				
8	3,597	2,342	2,136	Aug. 6	3,625	2,590	2,348
15	3,391	2,547	2,323	13	3,846	2,529	2,405
22	3,005	2,438	2,179	20	3,680	2,677	2,576
29	3,365	2,701	2,470	27	3,537	2,815	2,544
Sep. 5	3,180	2,575	2,460	Sep. 3	3,647	2,868	2,584
12	3,132	2,254	2,132	10	3,398	2,775	2,470
19	3,238	2,577	2,457	17	3,261	2,682	2,471
26	3,344	2,540	2,404	24	3,265	2,832	2,658
Oct. 3	3,230	2,459	2,340	Oct. 1	3,566	2,737	2,557
10	3,440	2,549	2,301	8	3,315	2,415	2,343
17	3,009	2,625	2,405	15	3,239	2,525	2,529
24	2,964	2,538	2,290	22	3,369	2,664	2,549
31	3,250	2,711	2,587	29	3,491	2,450	2,494
Nov. 7	3,317	2,401	2,336	Nov. 5	3,487	2,430	2,413
TOTAL 3/	**163,758**	**128,339**	**120,666**	**TOTAL 4/**	**181,715**	**141,271**	**130,600**

1/ Eggs set and chicks hatched for all broiler-type chicks, those to be raised as broilers and those to be raised for breeder flock replacements. 2/ Placements for broiler production in Pennsylvania only. 3/ Weeks ending November 15, 1986 through November 7, 1987. 4/ Weeks ending November 14, 1987 through November 5, 1988.

PENNSYLVANIA: BROILER PRODUCTION AND VALUE, 1988

County	Number Produced (000)	Pounds Produced (000)	Value Of Production (000)
			Dollars
Adams	1,640	6,888	2,273
Berks	5,910	24,822	8,191
Chester	3,240	13,608	4,491
Columbia	800	3,360	1,109
Cumberland	1,280	5,376	1,774
Dauphin	3,520	14,784	4,879
Franklin	3,290	13,818	4,560
Huntingdon	2,650	11,130	3,673
Juniata	8,430	35,406	11,684
Lancaster	56,360	236,712	78,115
Lebanon	12,790	53,718	17,726
Mifflin	3,050	12,810	4,227
Monfour	700	2,940	970
Northumberland	3,850	16,170	5,336
Perry	4,950	20,790	6,861
Schuykill	3,510	14,742	4,865
Snyder	5,100	21,420	7,069
Union	1,450	6,090	2,010
York	2,690	11,298	3,728
Other Counties	1,690	7,098	2,342
Pennsylvania	**126,900**	**532,980**	**175,883**

PENNSYLVANIA: COMMERCIAL BROILERS AND ROASTERS - PRODUCTION AND INCOME, 1960-1988

Year	Number Produced	Pounds Per Bird	Pounds Produced	Price Per Pound	Gross Income
	Thousands	Pounds	Thousands	Cents	Thous. Dols.
1960	37,725	3.7	139,582	18.9	26,381
1965	42,962	3.9	167,552	17.6	29,489
1970 1/	53,677	4.0	214,708	15.6	33,494
1975	65,770	4.1	269,657	31.5	84,942
1978	99,300	4.0	397,200	27.3	108,436
1979	109,206	4.1	447,745	27.5	123,130
1980	111,553	4.0	446,212	28.5	127,170
1981	115,058	4.0	460,232	30.0	138,070
1982	114,889	4.1	471,045	27.0	127,182
1983	102,642	4.1	420,832	28.0	117,833
1984	89,435	4.1	366,684	33.0	121,006
1985	94,696	4.2	397,723	31.0	123,294
1986	101,907	4.2	428,009	32.0	136,963
1987	115,635	4.2	485,667	29.0	140,483
1988	126,900	4.2	532,980	33.0	175,883

1/ Beginning with 1970 marketing year ends November 30.

PENNSYLVANIA: EGGS - NUMBER PRODUCED, PRICE, AND VALUE OF PRODUCTION, 1960-1988 2/

Year	Number Produced	Price Per Dozen	Value of Production
	Million	Cents/Doz.	Thous. Dols.
1960	3,529	40.9	120,280
1965	3,392	36.1	102,043
1970 1/	3,220	40.9	109,748
1975	2,800	51.2	119,467
1978	3,436	49.3	141,163
1979	3,836	55.7	178,055
1980	4,251	51.0	180,668
1981	4,268	60.0	213,400
1982	4,324	58.0	208,993
1983	4,716	59.0	231,871
1984	4,282	72.0	256,920
1985	4,774	55.0	218,808
1986	4,692	59.0	230,690
1987	4,853	43.0	173,899
1988	5,302	42.0	185,570

1/ Beginning with 1970 marketing year ends November 30. 2/ Includes Market and Hatchery Eggs.

PENNSYLVANIA: TURKEYS - RAISED, AND VALUE, 1960-1988

Year	Number Raised 1/	Average Liveweight	Pounds Produced	Price Per Pound	Value Of Production
	Thousand	Pounds	Thousand	Cents	Thous. Dols.
1960	1,605	18.8	30,136	30.8	9,282
1965	1,750	19.0	33,218	26.5	8,803
1970	2,266	19.6	44,414	25.4	11,274
1975	2,838	19.0	53,922	37.3	20,113
1978	3,450	18.0	62,100	47.4	29,435
1979	4,740	18.0	85,320	46.0	39,247
1980	5,510	17.0	93,670	45.0	42,152
1981	5,680	19.0	107,920	45.0	48,564
1982	5,300	19.0	100,700	47.0	47,329
1983	6,800	19.0	129,200	47.0	60,724
1984	6,100	18.0	109,800	59.0	64,782
1985	7,100	19.0	134,900	50.0	67,450
1986	7,800	20.0	156,000	51.0	79,560
1987	8,000	20.0	160,000	42.0	67,200
1988	7,900	20.0	158,000	44.0	69,520

1/ Includes poults shipped into Pennsylvania.

MINK - 1988
BY GLENN A. STRASBURG

Pennsylvania's 43 mink ranchers produced 162,700 pelts in 1988 compared with 146,900 pelts in 1987. Pennsylvania ranked 9th in the nation in mink pelt production for 1988. The number of females bred to produce kits for the 1989 crop is estimated to be 41,900.

The major production areas are counties in the Central District (64 percent) and the Northwest District (27 percent).

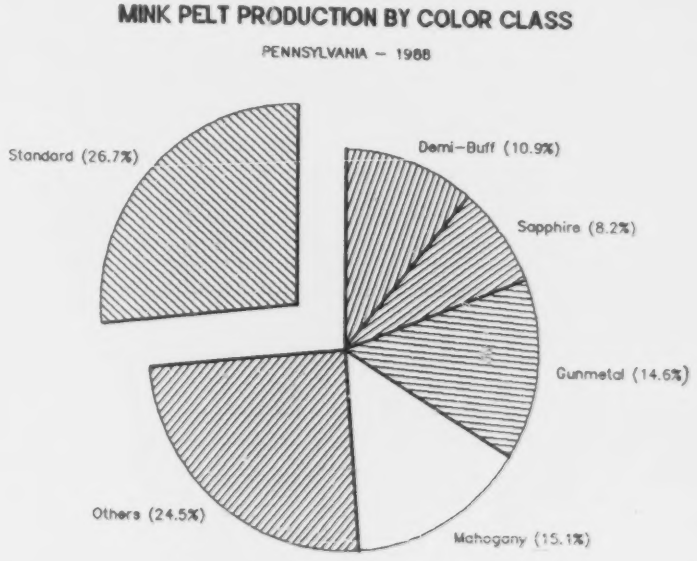
The U.S. average marketing price per pelt produced for the 1988 crop year was $32.30, compared with $43.00 in 1987 and $41.30 in 1986. Average prices for Pennsylvania are not available.

By color class, standard was the major pelt color produced in 1988, 26.7 percent of the total. Mahogany and Gunmetal represented 15.1 percent and 14.6 percent, respectively, of the 1988 pelt production.

Mink: Historical Perspective, 1969-1989 1/

Year	Ranches Producing Pelts	Females Bred	Pelts Produced
1969.....	143	-	223,000
1970.....	106	58,000	159,000
1971.....	68	40,500	123,000
1972.....	57	38,000	107,000
1973.....	59	37,500	109,000
1974.....	54	38,600	121,000
1975.....	51	39,500	125,000
1976.....	49	38,500	126,000
1977.....	48	40,300	129,000
1978.....	46	40,800	138,000
1979.....	45	42,200	151,900
1980.....	47	44,500	156,600
1981.....	1/	45,600	1/
1982.....	46	1/	156,000
1983.....	49	44,400	174,700
1984.....	48	44,000	158,600
1985.....	47	42,400	137,500
1986.....	41	39,100	140,700
1987.....	44	40,100	146,900
1988.....	43	42,000	162,700
1989.....	-	41,900	-

1/ Survey was discontinued for the 1981 crop. Reinstated for the 1982 crop.



PENNSYLVANIA: MINK PELTS PRODUCED AND FEMALES BRED, BY COLOR CLASS, 1986-1989

Color Class	Pelts Produced			Females Bred To Produce Kits		
	1986	1987	1988	1987	1988	1989
Standard.....	19,200	24,700	43,400	7,500	9,100	11,900
Ranch Wild.....	11,100	12,100	2/	3,000	3,100	1,500
Demi-Buff 1/.....	23,300	15,900	17,800	5,500	3,900	4,100
Pastel.....	11,200	9,000	9,700	2,600	2,000	2,200
Pale Brown.....	-	-	2/	-	-	2/
Sapphire.....	12,100	9,900	13,300	4,200	3,900	4,200
Gunmetal.....	20,200	24,100	23,800	6,700	7,600	6,700
Mahogany.....	2/	26,700	24,500	2/	6,500	6,400
Pearl.....	6,200	5,100	4,400	1,900	1,400	1,000
Pink.....	9,400	9,300	9,000	2,700	2,400	1,800
Violet Type.....	7,200	5,200	3,500	1,600	1,200	1,300
White.....	2/	2/	2/	2/	2/	2/
Misc. & Unclassified....	3,000	1,700	1,200	400	2/	2/
PENNSYLVANIA TOTAL.....	140,700	146,900	162,700	40,100	42,000	41,900

1/ This color class includes demi-buff, dark brown, violet, pastel, standard and pearl crosses and others.
2/ Included in total to avoid disclosing individual operations.

HONEY PRODUCTION - 1988

BY GLENN A. STRASBURG

Pennsylvania honey production for 1988 (from producers with five or more hives) totaled 2.1 million pounds. There were an estimated 45,000 colonies reported statewide with an average yield of 46 pounds per colony. Total stocks of honey, as of December 15, 1988, were 683,000 pounds. The average price for the 1988 crop was 66 cents with a total value of 1.4 million dollars for Pennsylvania production. Pennsylvania ranks 24th in the nation for honey production.

Nationally, honey production in 1988 totaled 212 million pounds, down 7 percent from 1987. There were 3.2 million colonies producing the honey, down slightly from 1987. The yield per colony averaged 66.4 pounds, down from 71.1 pounds in 1987. Producer honey stocks were 31.2 million pounds or 14.7 percent of production.

Prices for the 1988 U.S. honey crop averaged 50.1 cents per pound, down 0.2 cents from the 1987 price of 50.3 cents per pound. Honey prices are based on sales to private processors and co-ops, and on retail sales by producers. All government payments and loans made to producers are excluded from the honey prices.

PENNSYLVANIA: HONEY, PRODUCTION AND VALUE, 1970-1988

Year	Colonies Of Bees	Yield Per Colony	Production	Price Per Pound	Total Value	Stocks On Hand 1/
	Thousand	Pounds	Thousand Pounds	Dollars	Thous. Dollars	Thousand Pounds
1970	96	39	3,744	.202	756	1,385
1971	89	40	3,560	.252	897	1,566
1972	92	41	3,772	.338	1,275	981
1973	95	40	3,800	.443	1,683	1,330
1974	100	21	2,100	.594	1,247	735
1975	86	25	2,150	.589	1,266	645
1976	93	31	2,883	.615	1,773	923
1977	93	31	2,883	.656	1,891	865
1978	78	31	2,418	.653	1,579	725
1979	74	41	3,034	.643	1,951	1,001
1980	80	41	3,280	.700	2,296	1,181
1981	85	30	2,550	.831	2,119	995
1986 2/	50	32	1,600	.550	880	624
1987	48	39	1,872	.680	1,273	711
1988	45	46	2,070	.660	1,366	683

1/ Stocks on hand December 15 for sale. 2/ Survey discontinued after 1981 and reinstated in 1986.

PENNSYLVANIA AND MAJOR STATES: NUMBER OF COLONIES, PRODUCTION, STOCKS, AND VALUE - 1988

State	Colonies Of Bees	Yield Per Colony	Production	Stocks December 15	Value Of Production
	Thous. Colonies	Pounds	Thousand Pounds	Thousand Pounds	Thous. Dollars
Pennsylvania	**45**	**46**	**2,070**	**683**	**1,366**
Arizona	73	49	3,577	644	1,789
California	520	40	20,800	1,872	9,984
Colorado	48	83	3,984	837	2,112
Florida	240	105	25,200	2,385	12,852
Georgia	115	41	4,715	283	2,593
Idaho	112	53	5,936	1,009	2,552
Kansas	42	69	2,898	319	1,275
Michigan	83	73	6,059	1,272	3,151
Minnesota	150	129	19,350	1,935	8,708
Montana	105	48	5,040	151	2,369
Nebraska	113	96	10,848	1,410	4,665
North Dakota	230	66	15,180	1,518	7,135
South Dakota	245	74	18,130	2,901	8,159
Texas	114	76	8,664	780	3,985
Wisconsin	82	99	8,118	1,867	3,897
U.S. TOTAL	**3,186**	**66.4**	**211,511**	**31,172**	**107,161**

CROP PRODUCTION - 1988
BY BLAIR L. SMITH

1988 CROP SUMMARY: Another warm, dry spring across the Commonwealth made conditions good for the fourth straight year for Pennsylvania's farmers to get an early start on their spring plowing and planting activities. Spring plowing was completed by early June, slightly ahead of 1987 and the five year average. Oats planting followed the same pattern as the year before, it started early then lagged somewhat but finished slightly ahead of normal in early June. Potato growers got an early start on planting, over a week ahead of normal and slightly ahead of the previous year. Despite heavy statewide rains the third week of May, potato plantings were finished ahead of normal and the previous year. Corn plantings began the third week of April, a few days ahead of 1987 and the five year average. The heavy rains during the third week of May slowed corn plantings down and they finished up the second week of June at about the same time as they did the previous year and the five year normal. Soybean plantings got a late start, over a week behind the previous year and a few days behind normal. Soybeans were virtually all planted by the second week of July, the same progress as the year before and normal.

Heavy rains in late May were the last general rains the Commonwealth received until the third week of July. Topsoil moisture was rated less than adequate from mid-April through mid-November except for a two week period at the end of May. At the drought's peak, the State received only one-fifth of an inch of rain over a three week period at the end of June and beginning of July. After the general rains of late July, dry, hot conditions returned to the State for the first several weeks of August. September, October, and November brought cooler temperatures and more rainfall, however rainfall remained below average.

Dry conditions in late June and early July resulted in a good quality first cutting of hay which ended over a week ahead of normal. Hay condition deteriorated quickly after the first week of July. The dry conditions in late June and early July also were good for the small grain harvest. The barley harvest began during the third week of June, ahead of normal but slightly behind the previous year. The wheat harvest began the first week of July also ahead of normal but about the same time as it did a year earlier. By the end of the first week of August, the barley harvest was through and the wheat harvest ended a few days later.

The summer drought delayed the progress of maturity for most of the fall harvested crops. The average height of the corn crop on July 31st was 46 inches, much shorter than the five year average of 64 inches. Potato harvest began during the first week of August, on the average across the Commonwealth, and proceeded behind the previous year's progress and behind normal until it ended over a week behind normal in mid-November. Corn harvest for ensilage began ahead of normal by the first week of August, was delayed somewhat by some general rains in early September and remained behind normal until it's completion about the second week of November. Corn harvest for grain began the third week of September and progressed slightly behind normal until it's completion in early December. Soybean harvest began a few days later than normal at about the first of October and finished later than normal at about the second week of December. Tobacco harvest began the second week of August and was through slightly ahead of normal during the first week of October. Fall plowing began ahead of normal during the first week of August, but progressed behind normal from the first week of September through its completion during the second week of November.

SMALL GRAINS: Pennsylvania's production of winter wheat, barley, and rye was above the previous year. Record high yields were obtained on wheat and barley. Production of oats was a record low, mainly due to record low acreage harvested.

Production of winter wheat was 9,010,000 bushels, 13 percent more than production in 1987. A record low 170,000 acres harvested, 15,000 acres less than a year earlier, yielded a record high average 53 bushels per acre, 10 bushels more than the yield of 1987. Oats production was 13,000,000 bushels, 12 percent less than the previous year's production and a record low production. Harvested oats acreage totaled a record low 260,000, tied with the previous year. Oats yield was 50 bushels per acre, 7 bushels lower than the previous year. Barley production for 1988 was 3,630,000 bushels, 6 percent more than a year earlier. Acreage harvested was 55,000, the lowest since 1930 and 5,000 less than a year earlier. Yield per acre was 66 bushels, 9 more than a year earlier and a new record high yield. Rye production was 792,000 bushels, 26 percent higher than 1987. Acreage harvested was up 4,000 acres from 1987 to 22,000. Yield increased one bushel from 1987 to 36 bushels per acre.

CORN: Pennsylvania's 1988 corn crop was hurt by the drought. Grain production was down 38 percent from the previous year to 59,150,000 bushels. Corn acreage harvested for grain amounted to 910,000 acres, 14 percent below the previous year. Yield per harvested acre was 65 bushels, down from a yield of 90 bushels the previous year.

Corn silage production was 5,500,000 tons, 21 percent below 1987. Acres harvested for silage totaled a record high 550,000, 70,000 more than 1987. Yield averaged 10.0 tons per acre, down from 14.5 in 1987.

HAY: Production of all hay in 1988 was 4,716,000 tons, 9 percent below the year earlier. Total acres harvested was 2,040,000, 10,000 more acres than the year earlier. Yield was 2.31 tons per acre, down from 2.56 tons the year earlier. Alfalfa hay production was 2,436,000 tons, 10 percent below 1987. Alfalfa acreage harvested was 840,000, 10,000 fewer than 1987. Yield was 2.90 tons per acre, down from 3.20 tons in 1987. Other hay production was 2,280,000 tons, down 8 percent from the previous year. Other hay acreage harvested was 1,200,000, up 20,000 acres from the previous year. Yield was 1.90 tons per acre, down from 2.10 the previous year.

SOYBEANS: Production of soybeans in 1988 was a record high 7,200,000 bushels, 28 percent more than 1987. Acres harvested were a record high 225,000, 60,000 acres more than 1987. Yield per acre was 32 bushels, 2 fewer than 1987.

POTATOES: The Commonwealth's potato production was a drought damaged record low 3,690,000 hundredweight (cwt.), 22 percent less than 1987 production. Acres harvested were also a record low at 20,500, 1,000 fewer

acres than the previous year. Yield decreased 40 cwt. to 180 cwt. per acre.

TOBACCO: Total production of tobacco was 18,175,000 pounds in 1988, down 12 percent from a year earlier. Total acres harvested declined 1,500 to 9,500. Yield increased to 1,913 pounds from 1,882 pounds per acre. Pennsylvania seedleaf type tobacco accounted for 11,700,000 pounds of the total production and 6,475,000 pounds was Maryland type tobacco. Pennsylvania seedleaf type was harvested from 6,000 acres with an average yield per acre of 1,950 pounds. Pennsylvania's farmers harvested 3,500 acres of Maryland type tobacco with an average yield of 1,850 pounds per acre.

PENNSYLVANIA: ACREAGE, YIELD, PRODUCTION, DISPOSITION AND VALUE OF GRAINS AND HAY, 1960-1988

Year	Acres		Production		Season Average Price Per Unit	Value Of Production
	Planted	Harvested	Per Acre	Total		
	Thousand		Bushel	Thous. Bu.	$/Bu.	Thous. Dols.
			Winter Wheat			
1960	546	535	29.5	15,782	1.67	26,356
1970	286	275	33.0	9,075	1.42	12,887
1980	260	250	37.0	9,250	4.10	37,925
1984	230	220	38.0	8,360	3.60	30,096
1985	220	210	48.0	10,080	3.05	30,744
1986	230	220	44.0	9,680	2.75	26,620
1987	190	185	43.0	7,955	2.90	23,070
1988	175	170	53.0	9,010	3.65	32,887
			Oats			
1960	684	653	42.5	27,752	.74	20,536
1970	420	395	57.0	22,515	.78	17,562
1980	360	340	56.0	19,040	2.13	40,555
1984	300	280	57.0	15,960	1.94	30,962
1985	320	300	70.0	21,000	1.26	26,460
1986	290	260	62.0	16,120	1.37	22,084
1987	290	260	57.0	14,820	1.83	27,121
1988	290	260	50.0	15,000	2.55	33,150
			Barley			
1960	172	168	45.0	7,560	.92	6,955
1970	180	172	50.0	8,600	.96	8,256
1980	80	75	50.0	3,750	2.89	10,838
1984	75	70	52.0	3,640	2.45	8,918
1985	75	70	62.0	4,340	1.60	6,944
1986	70	65	60.0	3,900	1.35	5,265
1987	65	60	57.0	3,420	1.45	4,959
1988	60	55	66.0	3,630	2.35	8,531
			Soybeans			
1960	26	7	23.0	161	2.10	338
1970	30	28	32.0	896	2.90	2,598
1980	135	130	24.5	3,185	7.60	24,206
1984	175	170	35.0	5,950	5.84	34,748
1985	175	170	35.0	5,950	4.75	28,263
1986	160	155	35.0	5,425	4.85	26,311
1987	170	165	34.0	5,610	6.20	34,782
1988	230	225	32.0	7,200	7.55	54,360
			Corn For Grain			
1960	1,202	923	67.0	61,841	1.22	75,446
1970	1,260	914	89.0	81,346	1.51	122,832
1980	1,800	1,280	75.0	96,000	3.62	347,520
1984	1,780	1,350	110.0	148,500	2.83	420,255
1985	1,780	1,380	110.0	151,800	2.48	376,464
1986	1,670	1,240	103.0	127,720	1.83	233,728
1987	1,550	1,060	90.0	95,400	2.47	235,638
1988	1,480	910	65.0	59,150	3.20	189,280
			Corn For Silage			
			Tons	Thous. Tons	$/Ton	
1960	-	260	11.5	2,990	8.50	25,415
1970	-	318	15.5	4,929	10.50	51,755
1980	-	498	12.6	6,275	22.50	141,188
1984	-	420	16.5	6,930	26.30	182,259
1985	-	395	16.5	6,518	23.70	154,477
1986	-	420	15.0	6,300	19.00	119,700
1987	-	480	14.5	6,960	21.30	148,248
1988	-	550	10.0	5,500	27.60	151,800
			All Hay			
1960	-	2,087	1.91	3,991	24.30	96,981
1970	-	2,069	2.18	4,511	30.00	135,330
1980	-	1,950	2.14	4,182	75.00	313,650
1984	-	1,980	2.57	5,082	85.00	431,970
1985	-	1,990	2.66	5,302	67.50	357,885
1986	-	2,000	2.56	5,124	80.00	409,920
1987	-	2,030	2.56	5,198	84.50	439,231
1988	-	2,040	2.31	4,716	94.00	443,304

PENNSYLVANIA: SUMMARY OF PRINCIPAL CROPS HARVESTED IN 1988

Crop	Acres Harvested	Production 1/			Value 2/	
		Unit	Per Acre	Total	Per Unit	Total
				Thous.	Dols.	Thous. Dols.
Wheat	170,000	Bu.	53	9,010	3.65	32,887
Rye	22,000	Bu.	36	792	3.55	2,812
Oats	260,000	Bu.	50	13,000	2.55	33,150
Barley	55,000	Bu.	66	3,630	2.35	8,531
Soybeans	225,000	Bu.	32	7,200	7.55	54,360
Corn, For Grain	910,000	Bu.	65	59,150	3.20	189,280
Corn, For Silage	550,000	Ton	10.0	5,500	27.60	151,800
Hay, All	2,040,000	Ton	2.31	4,716	94.00	443,304
Hay, Alfalfa	840,000	Ton	2.90	2,436	-	-
Hay, Other	1,200,000	Ton	1.90	2,280	-	-
Potatoes	20,500	Cwt.	180	3,690	7.90	29,151
Tobacco—All	9,500	Lb.	1,913	18,175	1.130	20,546
Mushrooms 3/	-	Lb.	-	284,783	.720	205,100
Strawberries	1,300	Cwt.	43	56	99.50	5,572
Fresh Vegetables:						
Sweet Corn	13,200	Cwt.	55	726	16.80	12,197
Tomatoes	4,900	Cwt.	140	686	20.70	14,200
Processing Vegetables 4/:	13,500	Ton	-	53.0	-	6,060
Snap Beans	6,400	Ton	1.87	12.0	213.00	2,550
Sweet Corn	2,800	Ton	3.71	10.4	52.40	544
Tomatoes	2,000	Ton	13.93	27.9	75.90	2,115
Pears	-	Ton	-	3.00	339.00	1,017
Cherries, Sweet	-	Ton	-	1.20	1,260.00	1,512
Grapes	-	Ton	-	58.00	215.00	12,496
				Million Pounds		
Apples	-	Lb.	-	520	.092	47,642
Peaches	-	Lb.	-	80.0	.196	15,704
Cherries, Tart	-	Lb.	-	9.0	.256	2,301
TOTAL: ALL CROPS	-		-	-	-	1,289,622

1/ Excludes some quantities of vegetables and fruit not harvested or not marketed because of economic conditions and excess cullage of fruit. 2/ Includes allowance for loans outstanding and purchases by government valued at average loan and purchase rates. 3/ 1987 production year ending June 30, 1988. 4/ Includes some unlisted crops.

PENNSYLVANIA: GRAIN AND HAY STOCKS BY POSITIONS, QUARTERLY 1986-1988

Quarter And Year	On-Farms	Off-Farms 1/	Total All Positions
		Thousand Bushels	
		Corn	
MARCH 1			
1986 2/	75,900	5,130	81,080
1987	89,000	8,013	97,013
1988	62,000	6,845	68,845
JUNE 1			
1986	57,684	5,068	62,729
1987	51,000	6,367	57,367
1988	32,000	5,570	37,570
SEPTEMBER 1			
1986	27,000	3,068	30,068
1987	28,000	4,070	32,070
1988	17,700	4,015	21,715
DECEMBER 1			
1986	120,000	9,535	129,535
1987	85,000	8,596	93,596
1988	52,000	5,195	57,195
		All Wheat	
MARCH 1			
1986 2/	*	3,349	*
1987	*	3,914	*
1988	*	4,210	*
JUNE 1			
1986	*	1,730	*
1987	*	2,222	*
1988	*	2,175	*
SEPTEMBER 1			
1986	*	6,188	*
1987	*	6,220	*
1988	*	8,610	*
DECEMBER 1			
1986	*	4,509	*
1987	*	5,197	*
1988	*	7,300	*
		Oats 3/	
JUNE 1			
1986	7,770	900	8,670
1987	3,700	454	4,154
1988	3,100	635	3,737
		Barley 3/	
JUNE 1			
1986	*	175	*
1987	*	130	*
1988	*	149	*
		Hay	
		Thousand Tons	
MAY 1			
1986	1,113	-	1,113
1987	769	-	769
1988	988	-	988
DECEMBER 1			
1986	3,741	-	3,741
1987	4,054	-	4,054
1988	3,031	-	3,031

1/ Includes stocks at mills, elevators, warehouses, terminals, processors and CCC-owned grain at bin sites. 2/ April 1.
3/ Quarterly estimates not available. June 1 stocks represent end of market year stocks. * Separate estimates for Pennsylvania not available.

PENNSYLVANIA: CORN FOR GRAIN - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Total Planted	Harvested for Grain	Yield	Production	Value of Production
	Acres	Acres	Bushels	Bushels	Dollars
Crawford	30,400	20,000	78.0	1,560,000	4,992,000
Erie	18,300	12,500	86.0	1,075,000	3,440,000
Forest	500	300	89.0	26,700	85,400
Mercer	24,500	18,500	78.0	1,443,000	4,617,600
Venango	4,500	3,500	87.0	304,500	974,400
Warren	5,100	1,500	87.0	130,500	417,600
NORTHWESTERN, TOTAL	**83,300**	**56,300**	**80.6**	**4,539,700**	**14,527,000**
Bradford	41,000	10,500	72.0	756,000	2,419,200
Cameron	200	100	79.0	7,900	25,300
Clinton	10,800	7,500	68.0	510,000	1,632,000
Elk	1,000	500	83.0	41,500	132,800
Lycoming	29,900	25,000	80.0	2,000,000	6,400,000
McKean	1,600	400	58.0	23,200	74,200
Potter	6,800	1,200	74.0	88,800	284,200
Sullivan	3,300	1,300	72.0	93,600	299,500
Tioga	17,800	7,000	60.0	420,000	1,344,000
NORTH CENTRAL, TOTAL	**112,400**	**53,500**	**73.7**	**3,941,000**	**12,611,200**
Lackawanna	2,300	800	83.0	66,400	212,500
Susquehanna	11,200	1,700	65.0	110,500	353,600
Wayne	5,000	1,500	88.0	132,000	422,400
Wyoming	7,000	2,500	70.0	175,000	560,000
NORTHEASTERN, TOTAL	**25,500**	**6,500**	**74.4**	**483,900**	**1,548,500**
Armstrong	14,500	11,000	44.0	484,000	1,548,800
Beaver	5,900	3,800	52.0	197,600	632,300
Butler	19,400	13,500	71.0	958,500	3,067,200
Clarion	10,100	6,500	60.0	390,000	1,248,000
Indiana	29,500	17,000	49.0	833,000	2,665,600
Jefferson	9,000	4,200	59.0	247,800	793,000
Lawrence	21,000	15,000	74.0	1,110,000	3,552,000
WEST CENTRAL, TOTAL	**109,400**	**71,000**	**59.4**	**4,220,900**	**13,506,900**
Blair	28,000	10,200	51.0	520,200	1,664,600
Cambria	10,000	4,400	64.0	281,600	901,100
Centre	34,900	23,000	50.0	1,150,000	3,680,000
Clearfield	5,700	3,300	54.0	178,200	570,200
Columbia	25,300	20,500	69.0	1,414,500	4,526,400
Dauphin	30,000	20,000	51.0	1,020,000	3,264,000
Huntingdon	26,000	11,500	40.0	460,000	1,472,000
Juniata	16,000	10,500	51.0	535,500	1,713,600
Mifflin	23,000	10,500	63.0	661,500	2,116,800
Montour	8,400	6,500	70.0	455,000	1,456,000
Northumberland	34,000	27,000	56.0	1,512,000	4,838,400
Perry	21,000	13,300	41.0	545,300	1,745,000
Snyder	27,500	17,500	48.0	840,000	2,688,000
Union	21,000	16,000	55.0	880,000	2,816,000
CENTRAL, TOTAL	**310,800**	**194,200**	**53.8**	**10,453,800**	**33,452,100**
Carbon	2,500	1,900	67.0	127,300	407,400
Lehigh	31,000	29,200	58.0	1,693,600	5,419,500
Luzerne	9,000	6,600	82.0	541,200	1,731,800
Monroe	5,000	4,300	59.0	253,700	811,800
Northampton	35,600	28,000	77.0	2,156,000	6,899,200
Pike	600	400	65.0	26,000	83,200
Schuylkill	19,400	15,000	55.0	825,000	2,640,000
EAST CENTRAL, TOTAL	**103,100**	**85,400**	**65.8**	**5,622,800**	**17,992,900**
Allegheny	2,000	1,100	71.0	78,100	249,900
Fayette	15,500	11,500	59.0	678,500	2,171,200
Greene	2,900	1,500	40.0	60,000	192,000
Somerset	31,100	12,500	50.0	625,000	2,000,000
Washington	17,500	11,200	56.0	627,200	2,007,000
Westmoreland	22,200	15,000	61.0	915,000	2,928,000
SOUTHWESTERN, TOTAL	**91,200**	**52,800**	**56.5**	**2,983,800**	**9,548,100**
Adams	35,100	24,000	51.0	1,224,000	3,916,800
Bedford	33,600	12,000	54.0	648,000	2,073,600
Cumberland	55,100	30,000	47.0	1,410,000	4,512,000
Franklin	71,500	31,000	52.0	1,612,000	5,158,400
Fulton	12,200	6,300	43.0	270,900	866,900
York	73,300	60,700	59.0	3,581,300	11,460,200
SOUTH CENTRAL, TOTAL	**280,800**	**164,000**	**53.3**	**8,746,200**	**27,987,900**
Berks	75,000	54,800	70.0	3,836,000	12,275,200
Bucks	19,800	14,900	75.0	1,117,500	3,576,000
Chester	48,500	34,600	79.0	2,733,400	8,746,900
Delaware	1,200	1,000	83.0	83,000	265,600
Lancaster	168,400	89,500	91.0	8,144,500	26,062,500
Lebanon	39,700	24,500	73.0	1,788,500	5,723,200
Montgomery	10,900	7,000	65.0	455,000	1,456,000
Philadelphia	-	-	-	-	-
SOUTHEASTERN, TOTAL	**363,500**	**226,300**	**80.2**	**18,157,900**	**58,105,400**
PENNSYLVANIA	**1,480,000**	**910,000**	**65.0**	**59,150,000**	**189,280,000**

PENNSYLVANIA: CORN FOR SILAGE - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Harvested	Yield	Production	Value of Production
	Acres	Tons	Tons	Dollars
Crawford	9,800	13.3	130,300	3,596,300
Erie	5,600	13.4	75,000	2,070,000
Forest	200	14.5	2,900	80,000
Mercer	5,500	12.2	67,100	1,852,000
Venango	800	9.5	7,600	209,800
Warren	3,600	15.2	54,700	1,509,700
NORTHWESTERN, TOTAL	**25,500**	**13.2**	**337,600**	**9,317,800**
Bradford	30,000	9.4	281,900	7,780,400
Cameron	100	12.6	1,300	35,900
Clinton	3,200	10.3	33,000	910,800
Elk	400	7.1	2,800	77,300
Lycoming	4,700	10.5	49,400	1,363,400
McKean	1,100	12.5	13,800	380,900
Potter	5,400	9.8	52,900	1,460,000
Sullivan	1,900	15.4	29,300	808,700
Tioga	10,300	9.6	98,900	2,729,600
NORTH CENTRAL, TOTAL	**57,100**	**9.9**	**563,300**	**15,547,000**
Lackawanna	1,500	12.7	19,100	527,200
Susquehanna	9,400	8.2	77,100	2,128,000
Wayne	3,400	11.4	38,800	1,070,900
Wyoming	4,500	10.4	46,800	1,291,700
NORTHEASTERN, TOTAL	**18,800**	**9.7**	**181,800**	**5,017,800**
Armstrong	3,200	6.4	20,500	565,800
Beaver	1,800	4.6	8,300	229,100
Butler	5,700	6.9	39,300	1,084,700
Clarion	3,400	8.6	29,200	805,900
Indiana	11,500	6.3	72,500	2,001,000
Jefferson	4,400	4.6	20,200	557,500
Lawrence	5,900	11.2	66,100	1,824,400
WEST CENTRAL, TOTAL	**35,900**	**7.1**	**256,100**	**7,068,400**
Blair	17,000	9.1	154,700	4,269,700
Cambria	5,500	6.2	34,100	941,200
Centre	11,400	7.3	83,200	2,296,300
Clearfield	2,000	7.5	15,000	414,000
Columbia	4,600	10.0	46,000	1,269,600
Dauphin	9,800	8.7	85,300	2,354,300
Huntingdon	14,000	7.2	100,800	2,782,100
Juniata	5,200	7.3	38,000	1,048,800
Mifflin	12,300	8.4	103,300	2,851,100
Montour	1,900	10.5	20,000	552,000
Northumberland	6,900	9.5	65,600	1,810,600
Perry	7,300	6.9	50,400	1,391,000
Snyder	9,800	6.9	67,600	1,865,800
Union	4,500	8.9	40,900	1,128,800
CENTRAL, TOTAL	**112,300**	**8.1**	**904,900**	**24,975,300**
Carbon	400	11.3	4,500	124,200
Lehigh	1,500	12.6	18,900	521,600
Luzerne	2,300	9.3	21,400	590,600
Monroe	500	10.0	5,000	138,000
Northampton	7,400	12.1	89,500	2,470,200
Pike	200	12.9	2,600	71,800
Schuylkill	4,300	10.5	45,200	1,247,500
EAST CENTRAL, TOTAL	**16,600**	**11.3**	**187,100**	**5,163,900**
Allegheny	900	6.7	6,000	165,600
Fayette	3,500	5.9	20,700	571,300
Greene	1,200	5.0	6,000	165,600
Somerset	17,700	5.9	104,400	2,881,400
Washington	5,600	8.1	45,400	1,253,000
Westmoreland	6,900	9.0	62,100	1,714,000
SOUTHWESTERN, TOTAL	**35,800**	**6.8**	**244,600**	**6,750,900**
Adams	10,400	8.8	91,500	2,525,400
Bedford	21,200	7.9	167,500	4,623,000
Cumberland	24,200	7.3	176,700	4,876,900
Franklin	39,700	7.4	293,700	8,106,100
Fulton	5,400	6.5	35,100	968,800
York	11,800	10.1	119,200	3,289,900
SOUTH CENTRAL, TOTAL	**112,700**	**7.8**	**883,700**	**24,390,100**
Berks	19,800	10.7	211,800	5,845,700
Bucks	4,800	10.8	51,800	1,429,700
Chester	13,600	14.5	197,200	5,442,700
Delaware	200	10.3	2,100	58,000
Lancaster	78,100	15.9	1,241,600	34,268,100
Lebanon	15,000	13.2	198,000	5,464,800
Montgomery	3,800	10.1	38,400	1,059,800
Philadelphia	-	-	-	-
SOUTHEASTERN, TOTAL	135,300	14.3	1,940,900	53,568,800
PENNSYLVANIA	**550,000**	**10.0**	**5,500,000**	**151,800,000**

PENNSYLVANIA: ALFALFA AND OTHER HAY - ACREAGE, YIELD AND PRODUCTION - 1988

County & District	Alfalfa Hay			Other Hay		
	Harvested	Yield	Production	Harvested	Yield	Production
	Acres	Tons	Tons	Acres	Tons	Tons
Crawford	15,600	2.60	40,600	50,200	2.40	120,500
Erie	8,000	3.20	25,600	33,600	2.10	71,000
Forest	1,100	2.70	3,000	700	1.30	900
Mercer	15,200	2.50	38,000	23,800	2.00	47,600
Venango	5,000	2.00	10,000	9,100	1.60	14,600
Warren	4,800	2.70	13,000	12,700	2.70	34,300
NORTHWESTERN, TOTAL	**49,700**	**2.62**	**130,200**	**130,300**	**2.22**	**288,900**
Bradford	41,000	2.10	86,100	76,000	1.70	129,200
Cameron	100	2.00	200	600	1.90	1,100
Clinton	5,700	2.60	16,000	4,800	2.20	10,600
Elk	2,000	2.30	4,600	2,600	1.50	3,900
Lycoming	15,800	2.80	44,200	19,600	1.60	31,400
McKean	1,900	2.10	4,000	8,300	1.30	10,800
Potter	11,000	2.30	25,300	20,000	1.60	32,000
Sullivan	3,100	2.10	6,500	9,300	1.90	17,700
Tioga	21,500	2.40	51,600	63,500	1.90	120,700
NORTH CENTRAL, TOTAL	**102,100**	**2.34**	**238,500**	**204,700**	**1.75**	**357,400**
Lackawanna	3,300	2.60	8,600	13,800	1.90	26,200
Susquehanna	12,500	2.90	36,300	51,500	1.70	87,600
Wayne	5,400	2.90	15,700	44,600	1.70	75,600
Wyoming	7,600	2.50	19,000	13,000	2.20	28,600
NORTHEASTERN, TOTAL	**28,800**	**2.76**	**79,600**	**122,900**	**1.78**	**218,200**
Armstrong	15,900	2.10	33,400	17,200	1.30	22,400
Beaver	9,000	2.00	18,000	7,800	2.30	17,900
Butler	19,200	2.20	42,200	20,800	1.70	35,400
Clarion	9,500	2.50	23,800	18,500	1.70	31,500
Indiana	17,200	2.30	39,600	19,300	1.60	30,900
Jefferson	12,400	1.90	23,600	15,800	1.50	23,700
Lawrence	10,100	2.60	26,300	11,000	2.00	22,000
WEST CENTRAL, TOTAL	**93,300**	**2.22**	**206,900**	**110,400**	**1.66**	**183,800**
Blair	16,400	3.20	52,500	8,300	1.90	15,800
Cambria	6,500	2.70	17,600	12,500	1.80	22,500
Centre	23,300	2.90	67,600	15,800	1.90	30,000
Clearfield	8,500	2.10	17,900	11,500	1.30	15,000
Columbia	8,500	3.10	26,400	14,300	1.90	27,200
Dauphin	10,300	3.40	35,000	12,700	2.10	26,700
Huntingdon	16,200	2.90	47,000	15,800	1.40	22,100
Juniata	13,000	3.10	40,300	8,600	2.00	17,200
Mifflin	13,800	3.30	45,500	9,500	2.30	21,900
Montour	3,500	3.00	10,500	5,100	1.90	9,700
Northumberland	7,500	2.70	20,300	10,500	2.40	25,200
Perry	13,700	2.80	38,400	14,800	1.80	26,600
Snyder	10,200	2.80	28,600	12,800	2.10	26,900
Union	9,200	3.40	31,300	5,800	2.10	12,200
CENTRAL, TOTAL	**160,600**	**2.98**	**478,900**	**158,000**	**1.89**	**299,000**
Carbon	1,400	2.90	4,100	4,200	1.60	6,700
Lehigh	7,600	3.30	25,100	7,200	2.60	18,700
Luzerne	6,200	2.80	17,400	8,500	1.70	14,500
Monroe	1,800	2.60	4,700	4,500	1.80	8,100
Northampton	14,800	3.20	47,400	3,100	2.20	6,800
Pike	100	3.00	300	1,000	1.70	1,700
Schuylkill	6,800	3.30	22,400	12,200	1.90	23,200
EAST CENTRAL, TOTAL	**38,700**	**3.14**	**121,400**	**40,700**	**1.96**	**79,700**
Allegheny	3,500	3.00	10,500	5,300	1.60	8,500
Fayette	11,600	2.60	30,200	17,100	1.50	25,700
Greene	6,000	2.50	20,000	33,000	1.20	39,600
Somerset	21,000	2.10	44,100	37,000	1.60	59,200
Washington	31,000	2.40	74,400	30,600	2.00	61,200
Westmoreland	23,600	2.70	63,700	28,900	1.90	54,900
SOUTHWESTERN, TOTAL	**98,700**	**2.46**	**242,900**	**151,900**	**1.64**	**249,100**
Adams	7,800	2.40	18,700	31,200	1.80	56,200
Bedford	32,000	2.90	92,800	27,400	1.60	43,500
Cumberland	19,700	2.60	51,200	19,600	1.90	37,200
Franklin	37,000	2.80	103,500	31,000	2.00	62,000
Fulton	8,500	2.30	19,600	12,800	2.10	26,900
York	16,900	3.60	60,800	30,100	2.10	63,200
SOUTH CENTRAL, TOTAL	**121,900**	**2.84**	**346,600**	**151,900**	**1.90**	**289,000**
Berks	36,200	3.70	133,700	27,700	2.00	55,400
Bucks	4,700	3.50	16,500	16,800	2.70	45,400
Chester	26,400	4.30	113,300	25,000	2.20	55,000
Delaware	600	3.20	1,900	1,000	2.00	2,000
Lancaster	55,800	4.50	250,600	32,200	2.90	93,400
Lebanon	17,500	3.50	61,300	13,000	2.20	28,600
Montgomery	5,000	2.70	13,500	13,500	2.60	35,100
Philadelphia	-	-	-	-	-	-
SOUTHEASTERN, TOTAL	**146,200**	**4.04**	**591,000**	**129,200**	**2.44**	**314,900**
PENNSYLVANIA	**840,000**	**2.90**	**2,436,000**	**1,200,000**	**1.90**	**2,280,000**

PENNSYLVANIA: ALL HAY - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Harvested	Yield	Production	Value of Production
	Acres	Tons	Tons	Dollars
Crawford	65,600	2.45	161,100	15,143,400
Erie	41,800	2.31	96,600	9,080,400
Forest	1,800	2.17	3,900	366,600
Mercer	39,000	2.19	85,600	8,046,400
Venango	14,100	1.74	24,600	2,312,400
Warren	17,500	2.70	47,300	4,446,200
NORTHWESTERN, TOTAL	**180,000**	**2.33**	**419,100**	**39,395,400**
Bradford	117,000	1.84	215,300	20,238,200
Cameron	700	1.86	1,300	122,200
Clinton	10,500	2.53	26,600	2,500,400
Elk	4,600	1.85	8,500	799,000
Lycoming	35,400	2.14	75,600	7,106,400
Mckean	10,200	1.45	14,800	1,391,200
Potter	31,000	1.85	57,300	5,386,200
Sullivan	12,400	1.95	24,200	2,274,800
Tioga	85,000	2.03	172,300	16,196,200
NORTH CENTRAL, TOTAL	**306,800**	**1.94**	**595,900**	**56,014,600**
Lackawanna	17,100	2.04	34,800	3,271,200
Susquehanna	64,000	1.94	123,900	11,646,600
Wayne	50,000	1.83	91,500	8,601,000
Wyoming	20,600	2.31	47,600	4,474,400
NORTHEASTERN, TOTAL	**151,700**	**1.96**	**297,800**	**27,993,200**
Armstrong	33,100	1.69	55,800	5,245,200
Beaver	16,800	2.14	35,900	3,374,600
Butler	40,000	1.94	77,600	7,294,400
Clarion	28,000	1.98	55,300	5,198,200
Indiana	36,500	1.93	70,500	6,627,000
Jefferson	28,200	1.68	47,300	4,446,200
Lawrence	21,100	2.29	48,300	4,540,200
WEST CENTRAL, TOTAL	**203,700**	**1.92**	**390,700**	**36,725,800**
Blair	24,700	2.77	68,300	6,420,200
Cambria	19,000	2.11	40,100	3,769,400
Centre	39,100	2.50	97,600	9,174,400
Clearfield	20,000	1.65	32,900	3,092,600
Columbia	22,600	2.35	53,600	5,038,400
Dauphin	23,000	2.68	61,700	5,799,800
Huntingdon	32,000	2.16	69,100	6,495,400
Juniata	21,600	2.66	57,500	5,405,000
Mifflin	23,300	2.89	67,400	6,335,600
Montour	8,600	2.35	20,200	1,898,800
Northumberland	18,000	2.53	45,500	4,277,000
Perry	28,500	2.28	65,000	6,110,000
Snyder	23,000	2.41	55,500	5,217,000
Union	15,000	2.90	43,500	4,089,000
CENTRAL, TOTAL	**318,600**	**2.44**	**777,900**	**73,122,600**
Carbon	5,600	1.93	10,800	1,015,200
Lehigh	14,800	2.96	43,800	4,117,200
Luzerne	14,700	2.17	31,900	2,998,600
Monroe	6,300	2.03	12,800	1,203,200
Northampton	17,900	3.03	54,200	5,094,800
Pike	1,100	1.82	2,000	188,000
Schuylkill	19,000	2.40	45,600	4,286,400
EAST CENTRAL, TOTAL	**79,400**	**2.53**	**201,100**	**18,903,400**
Allegheny	8,800	2.16	19,000	1,786,000
Fayette	28,700	1.95	55,900	5,254,600
Greene	41,000	1.45	59,600	5,602,400
Somerset	56,000	1.78	103,300	9,710,200
Washington	61,600	2.20	135,600	12,746,400
Westmoreland	52,500	2.26	118,600	11,148,400
SOUTHWESTERN, TOTAL	**250,600**	**1.96**	**492,000**	**46,248,000**
Adams	39,000	1.92	74,900	7,040,600
Bedford	59,200	2.30	136,300	12,812,200
Cumberland	39,300	2.25	88,400	8,309,600
Franklin	68,000	2.43	165,500	15,557,000
Fulton	21,300	2.18	46,500	4,371,000
York	47,000	2.64	124,000	11,656,000
SOUTH CENTRAL, TOTAL	**273,800**	**2.32**	**635,600**	**59,746,400**
Berks	63,900	2.96	189,100	17,775,400
Bucks	21,500	2.88	61,900	5,818,600
Chester	51,400	3.27	168,300	15,820,200
Delaware	1,600	2.44	3,900	366,600
Lancaster	88,000	3.91	344,200	32,354,800
Lebanon	30,500	2.95	89,900	8,450,600
Montgomery	18,500	2.63	48,600	4,568,400
Philadelphia	-	-	-	-
SOUTHEASTERN, TOTAL	275,400	3.29	905,900	85,154,600
PENNSYLVANIA	**2,040,000**	**2.31**	**4,716,000**	**443,304,000**

PENNSYLVANIA: WHEAT - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Planted	Harvested	Yield	Production	Value of Production
	Acres	Acres	Bushels	Bushels	Dollars
Crawford	600	600	47.0	28,200	102,900
Erie	900	800	40.0	32,000	116,800
Forest	-	-	-	-	-
Mercer	2,500	2,300	47.0	108,100	394,600
Venango	200	200	47.0	9,400	34,300
Warren	-	-	-	-	-
NORTHWESTERN, TOTAL	**4,200**	**3,900**	**45.6**	**177,700**	**648,600**
Bradford	100	100	45.0	4,500	16,400
Cameron	-	-	-	-	-
Clinton	600	600	55.0	33,000	120,500
Elk	-	-	-	-	-
Lycoming	2,200	2,200	43.0	94,600	345,300
McKean	-	-	-	-	-
Potter	100	100	48.0	4,800	17,500
Sullivan	-	-	-	-	-
Tioga	200	200	47.0	9,400	34,300
NORTH CENTRAL, TOTAL	**3,200**	**3,200**	**45.7**	**146,300**	**534,000**
Lackawanna	400	400	59.0	23,600	86,100
Susquehanna	-	-	-	-	-
Wayne	-	-	-	-	-
Wyoming	100	100	46.0	4,600	16,800
NORTHEASTERN, TOTAL	**500**	**500**	**56.4**	**28,200**	**102,900**
Armstrong	1,200	1,100	42.0	46,200	168,600
Beaver	1,100	1,100	45.0	49,500	180,700
Butler	3,000	3,000	50.0	150,000	547,500
Clarion	500	500	47.0	23,500	85,800
Indiana	1,200	1,100	54.0	59,400	216,800
Jefferson	500	500	40.0	20,000	73,000
Lawrence	2,300	2,100	51.0	107,100	390,900
WEST CENTRAL, TOTAL	**9,800**	**9,400**	**48.5**	**455,700**	**1,663,300**
Blair	900	900	49.0	44,100	161,000
Cambria	400	400	51.0	20,400	74,500
Centre	2,800	2,600	62.0	161,200	588,400
Clearfield	100	100	43.0	4,300	15,700
Columbia	4,600	4,600	49.0	225,400	822,700
Dauphin	4,100	3,800	42.0	159,600	582,500
Huntingdon	900	900	49.0	44,100	161,000
Juniata	2,300	2,200	55.0	121,000	441,700
Mifflin	1,500	1,400	58.0	81,200	296,400
Montour	1,500	1,300	45.0	58,500	213,500
Northumberland	5,800	5,600	51.0	285,600	1,042,400
Perry	4,200	4,100	48.0	196,800	718,300
Snyder	2,900	2,700	46.0	124,200	453,300
Union	2,200	2,200	47.0	103,400	377,400
CENTRAL, TOTAL	**34,200**	**32,800**	**49.7**	**1,629,800**	**5,948,800**
Carbon	700	700	47.0	32,900	120,100
Lehigh	8,700	8,700	55.0	478,500	1,746,500
Luzerne	1,300	1,200	56.0	67,200	245,300
Monroe	1,000	1,000	40.0	40,000	146,000
Northampton	6,100	5,900	55.0	324,500	1,184,400
Pike	-	-	-	-	-
Schuylkill	4,400	4,300	44.0	189,200	690,600
EAST CENTRAL, TOTAL	**22,200**	**21,800**	**51.9**	**1,132,300**	**4,132,900**
Allegheny	300	300	40.0	12,000	43,800
Fayette	1,000	900	46.0	41,400	151,100
Greene	100	100	52.0	5,200	19,000
Somerset	500	500	40.0	20,000	73,000
Washington	800	700	41.0	28,700	104,800
Westmoreland	2,400	2,200	49.0	107,800	393,500
SOUTHWESTERN, TOTAL	**5,100**	**4,700**	**45.8**	**215,100**	**785,200**
Adams	9,500	9,200	54.0	496,800	1,813,400
Bedford	1,100	1,100	43.0	47,300	172,600
Cumberland	8,800	8,700	56.0	487,200	1,778,300
Franklin	6,700	6,500	58.0	377,000	1,376,100
Fulton	1,400	1,300	55.0	71,500	261,000
York	22,400	22,000	52.0	1,144,000	4,175,700
SOUTH CENTRAL, TOTAL	**49,900**	**48,800**	**53.8**	**2,623,800**	**9,577,100**
Berks	13,600	13,300	56.0	744,800	2,718,600
Bucks	4,600	4,500	52.0	234,000	854,100
Chester	5,000	4,900	61.0	298,900	1,091,000
Delaware	100	100	59.0	5,900	21,500
Lancaster	15,100	14,900	61.0	908,900	3,317,600
Lebanon	4,300	4,200	63.0	264,600	965,800
Montgomery	3,200	3,000	48.0	144,000	525,600
Philadelphia	-	-	-	-	-
SOUTHEASTERN, TOTAL	**45,900**	**44,900**	**57.9**	**2,601,100**	**9,494,200**
PENNSYLVANIA	**175,000**	**170,000**	**53.0**	**9,010,000**	**32,887,000**

PENNSYLVANIA: BARLEY - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Planted	Harvested	Yield	Production	Value of Production
	Acres	Acres	Bushels	Bushels	Dollars
Crawford	300	300	50.0	15,000	35,300
Erie	200	200	45.0	9,000	21,200
Forest	-	-	-	-	-
Mercer	300	300	50.0	15,000	35,300
Venango	100	100	40.0	4,000	9,400
Warren	-	-	-	-	-
NORTHWESTERN, TOTAL	**900**	**900**	**47.8**	**43,000**	**101,200**
Bradford	400	300	48.0	14,400	33,800
Cameron	-	-	-	-	-
Clinton	-	-	-	-	-
Elk	100	100	40.0	4,000	9,400
Lycoming	300	200	43.0	8,600	20,200
McKean	-	-	-	-	-
Potter	200	200	40.0	8,000	18,800
Sullivan	-	-	-	-	-
Tioga	100	100	46.0	4,600	10,800
NORTH CENTRAL, TOTAL	**1,100**	**900**	**44.0**	**39,600**	**93,000**
Lackawanna	-	-	-	-	-
Susquehanna	100	100	45.0	4,500	10,600
Wayne	-	-	-	-	-
Wyoming	-	-	-	-	-
NORTHEASTERN, TOTAL	**100**	**100**	**45.0**	**4,500**	**10,600**
Armstrong	400	400	56.0	22,400	52,600
Beaver	400	400	59.0	23,600	55,500
Butler	700	700	57.0	39,900	93,800
Clarion	200	100	48.0	4,800	11,300
Indiana	600	500	60.0	30,000	70,500
Jefferson	100	100	42.0	4,200	9,900
Lawrence	300	300	49.0	14,700	34,500
WEST CENTRAL, TOTAL	**2,700**	**2,500**	**55.8**	**139,600**	**328,100**
Blair	500	300	68.0	20,400	47,900
Cambria	200	200	55.0	11,000	25,900
Centre	300	300	61.0	18,300	43,000
Clearfield	100	100	55.0	5,500	12,900
Columbia	300	300	50.0	15,000	35,300
Dauphin	2,700	2,500	59.0	147,500	346,600
Huntingdon	300	300	52.0	15,600	36,700
Juniata	900	900	63.0	56,700	133,200
Mifflin	400	400	58.0	23,200	54,500
Montour	500	500	62.0	31,000	72,900
Northumberland	1,300	1,200	66.0	79,200	186,100
Perry	1,000	800	66.0	52,800	124,100
Snyder	900	700	56.0	39,200	92,100
Union	300	300	65.0	19,500	45,800
CENTRAL, TOTAL	**9,700**	**8,800**	**60.8**	**534,900**	**1,257,000**
Carbon	100	100	57.0	5,700	13,400
Lehigh	1,300	1,200	61.0	73,200	172,000
Luzerne	100	100	55.0	5,500	12,900
Monroe	100	100	60.0	6,000	14,100
Northampton	900	900	68.0	61,200	143,800
Pike	-	-	-	-	-
Schuylkill	600	600	59.0	35,400	83,200
EAST CENTRAL, TOTAL	**3,100**	**3,000**	**62.3**	**187,000**	**439,400**
Allegheny	100	100	57.0	5,700	13,400
Fayette	400	400	64.0	25,600	60,200
Greene	-	-	-	-	-
Somerset	600	500	58.0	29,000	68,200
Washington	400	400	52.0	20,800	48,900
Westmoreland	800	700	57.0	39,900	93,800
SOUTHWESTERN, TOTAL	**2,300**	**2,100**	**57.6**	**121,000**	**284,500**
Adams	2,800	2,500	58.0	145,000	340,800
Bedford	600	600	58.0	34,800	81,800
Cumberland	2,900	2,600	68.0	176,800	415,500
Franklin	5,000	4,500	71.0	319,500	750,800
Fulton	700	700	62.0	43,400	102,000
York	9,000	8,300	69.0	572,700	1,345,900
SOUTH CENTRAL, TOTAL	**21,000**	**19,200**	**67.3**	**1,292,200**	**3,036,800**
Berks	5,500	5,000	69.0	345,000	810,800
Bucks	900	900	68.0	61,200	143,800
Chester	2,700	2,400	77.0	184,800	434,300
Delaware	100	100	71.0	7,100	16,700
Lancaster	6,600	6,100	75.0	457,500	1,075,200
Lebanon	2,500	2,200	73.0	160,600	377,400
Montgomery	800	800	65.0	52,000	122,200
Philadelphia	-	-	-	-	-
SOUTHEASTERN, TOTAL	**19,100**	**17,500**	**72.5**	**1,268,200**	**2,980,400**
PENNSYLVANIA	**60,000**	**55,000**	**66.0**	**3,630,000**	**8,531,000**

PENNSYLVANIA: OATS - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Planted	Harvested	Yield	Production	Value of Production
	Acres	Acres	Bushels	Bushels	Dollars
Crawford	14,200	12,000	43.0	516,000	1,315,700
Erie	7,500	6,200	51.0	316,200	806,300
Forest	300	300	41.0	12,300	31,400
Mercer	10,200	8,800	45.0	396,000	1,009,800
Venango	2,300	1,900	47.0	89,300	227,700
Warren	1,600	1,200	55.0	66,000	168,300
NORTHWESTERN, TOTAL	**36,100**	**30,400**	**45.9**	**1,395,800**	**3,559,200**
Bradford	9,500	6,800	40.0	272,000	693,600
Cameron	100	100	43.0	4,300	11,000
Clinton	1,800	1,700	38.0	64,600	164,700
Elk	1,400	1,200	39.0	46,800	119,300
Lycoming	7,500	6,700	42.0	281,400	717,600
McKean	600	400	40.0	16,000	40,800
Potter	3,000	2,300	54.0	124,200	316,700
Sullivan	900	700	43.0	30,100	76,800
Tioga	6,200	4,600	38.0	174,800	445,700
NORTH CENTRAL, TOTAL	**31,000**	**24,500**	**41.4**	**1,014,200**	**2,586,200**
Lackawanna	500	300	39.0	11,700	29,800
Susquehanna	1,800	1,200	40.0	48,000	122,400
Wayne	300	200	44.0	8,800	22,400
Wyoming	700	600	42.0	25,200	64,300
NORTHEASTERN, TOTAL	**3,300**	**2,300**	**40.7**	**93,700**	**238,900**
Armstrong	6,200	6,000	38.0	228,000	581,400
Beaver	2,100	2,000	44.0	88,000	224,400
Butler	8,300	8,200	45.0	369,000	941,000
Clarion	4,000	3,200	38.0	121,600	310,100
Indiana	7,500	7,200	45.0	324,000	826,200
Jefferson	4,400	4,200	39.0	163,800	417,700
Lawrence	4,700	4,500	51.0	229,500	585,200
WEST CENTRAL, TOTAL	**37,200**	**35,300**	**43.2**	**1,523,900**	**3,886,000**
Blair	1,800	1,600	45.0	72,000	183,600
Cambria	9,000	8,600	40.0	344,000	877,200
Centre	7,500	7,100	53.0	376,300	959,600
Clearfield	2,600	2,100	37.0	77,700	198,100
Columbia	9,000	8,500	38.0	323,000	823,700
Dauphin	5,300	4,800	56.0	268,800	685,400
Huntingdon	3,900	3,600	51.0	183,600	468,200
Juniata	4,100	3,500	54.0	189,000	482,000
Mifflin	2,900	2,600	58.0	150,800	384,500
Montour	3,100	3,000	49.0	147,000	374,900
Northumberland	6,800	6,400	59.0	377,600	962,900
Perry	5,200	4,800	65.0	312,000	795,600
Snyder	6,000	5,800	50.0	290,000	739,500
Union	5,600	5,100	56.0	285,600	728,300
CENTRAL, TOTAL	**72,800**	**67,500**	**50.3**	**3,397,400**	**8,663,500**
Carbon	2,100	2,000	48.0	96,000	244,800
Lehigh	6,100	5,800	56.0	324,800	828,200
Luzerne	3,100	2,700	53.0	143,100	364,900
Monroe	2,400	2,300	41.0	94,300	240,500
Northampton	4,400	4,000	57.0	228,000	581,400
Pike	100	100	46.0	4,600	11,700
Schuylkill	8,400	8,000	52.0	416,000	1,060,800
EAST CENTRAL, TOTAL	**26,600**	**24,900**	**52.5**	**1,306,800**	**3,332,300**
Allegheny	1,100	1,000	51.0	51,000	130,100
Fayette	3,000	2,400	48.0	115,200	293,800
Greene	600	300	50.0	15,000	38,300
Somerset	14,500	13,700	45.0	616,500	1,572,100
Washington	3,500	3,000	50.0	150,000	382,500
Westmoreland	8,700	8,200	49.0	401,800	1,024,600
SOUTHWESTERN, TOTAL	**31,400**	**28,600**	**47.2**	**1,349,500**	**3,441,400**
Adams	2,900	2,500	60.0	150,000	382,500
Bedford	6,400	6,000	59.0	354,000	902,700
Cumberland	4,600	4,200	66.0	277,200	706,900
Franklin	5,900	4,900	66.0	323,400	824,700
Fulton	3,900	3,800	57.0	216,600	552,300
York	7,700	7,200	67.0	482,400	1,230,000
SOUTH CENTRAL, TOTAL	**31,400**	**28,600**	**63.1**	**1,803,600**	**4,599,100**
Berks	8,000	7,500	59.0	442,500	1,128,300
Bucks	2,600	2,400	68.0	163,200	416,200
Chester	2,300	2,000	65.0	130,000	331,500
Delaware	100	100	57.0	5,700	14,500
Lancaster	2,400	2,100	69.0	144,900	369,500
Lebanon	2,700	2,200	64.0	140,800	359,000
Montgomery	2,100	1,600	55.0	88,000	224,400
Philadelphia	-	-	-	-	-
SOUTHEASTERN, TOTAL	**20,200**	**17,900**	**62.3**	**1,115,100**	**2,843,400**
PENNSYLVANIA	**290,000**	**260,000**	**50.0**	**13,000,000**	**33,150,000**

PENNSYLVANIA: SOYBEANS - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Planted	Harvested	Yield	Production	Value of Production
	Acres	Acres	Bushels	Bushels	Dollars
Crawford	3,400	3,300	29.0	95,700	722,500
Erie	2,400	2,300	29.0	66,700	503,600
Forest	-	-	-	-	-
Mercer	5,000	4,900	28.0	137,200	1,035,900
Venango	600	600	21.0	12,600	95,100
Warren	-	-	-	-	-
NORTHWESTERN, TOTAL	**11,400**	**11,100**	**28.1**	**312,200**	**2,357,100**
Bradford	200	200	32.0	6,400	48,300
Cameron	-	-	-	-	-
Clinton	1,400	1,400	38.0	53,200	401,700
Elk	-	-	-	-	-
Lycoming	3,200	3,100	35.0	108,500	819,200
McKean	-	-	-	-	-
Potter	-	-	-	-	-
Sullivan	100	100	34.0	3,400	25,700
Tioga	600	500	32.0	16,000	120,800
NORTH CENTRAL, TOTAL	**5,500**	**5,300**	**35.4**	**187,500**	**1,415,700**
Lackawanna	-	-	-	-	-
Susquehanna	-	-	-	-	-
Wayne	-	-	-	-	-
Wyoming	-	-	-	-	-
NORTHEASTERN, TOTAL	-	-	-	-	-
Armstrong	700	600	23.0	13,800	104,200
Beaver	200	200	31.0	6,200	46,800
Butler	1,600	1,500	29.0	43,500	328,400
Clarion	800	700	21.0	14,700	111,000
Indiana	2,100	2,000	23.0	46,000	347,300
Jefferson	600	600	24.0	14,400	108,700
Lawrence	1,500	1,400	26.0	36,400	274,800
WEST CENTRAL, TOTAL	**7,500**	**7,000**	**25.0**	**175,000**	**1,321,200**
Blair	500	500	29.0	14,500	109,500
Cambria	200	200	29.0	5,800	43,800
Centre	2,800	2,700	33.0	89,100	672,700
Clearfield	100	100	33.0	3,300	24,900
Columbia	7,500	7,400	31.0	229,400	1,732,000
Dauphin	6,600	6,500	27.0	175,500	1,325,000
Huntingdon	1,100	1,000	27.0	27,000	203,900
Juniata	2,500	2,400	32.0	76,800	579,800
Mifflin	500	500	27.0	13,500	101,900
Montour	5,400	5,300	30.0	159,000	1,200,500
Northumberland	10,800	10,700	30.0	321,000	2,423,600
Perry	3,800	3,600	34.0	122,400	924,100
Snyder	3,100	3,000	25.0	75,000	566,300
Union	5,000	5,000	37.0	185,000	1,396,800
CENTRAL, TOTAL	**49,900**	**48,900**	**30.6**	**1,497,300**	**11,304,800**
Carbon	700	600	35.0	21,000	158,600
Lehigh	7,600	7,500	37.0	277,500	2,095,100
Luzerne	800	800	35.0	28,000	211,400
Monroe	1,200	1,200	40.0	48,000	362,400
Northampton	7,000	7,000	40.0	280,000	2,114,000
Pike	100	100	34.0	3,400	25,700
Schuylkill	1,400	1,400	28.0	39,200	296,000
EAST CENTRAL, TOTAL	**18,800**	**18,600**	**37.5**	**697,100**	**5,263,200**
Allegheny	400	400	30.0	12,000	90,600
Fayette	600	600	24.0	14,400	108,700
Greene	-	-	-	-	-
Somerset	800	800	24.0	19,200	145,000
Washington	500	500	27.0	13,500	101,900
Westmoreland	1,400	1,400	23.0	32,200	243,100
SOUTHWESTERN, TOTAL	**3,700**	**3,700**	**24.7**	**91,300**	**689,300**
Adams	11,000	10,800	27.0	291,600	2,201,600
Bedford	900	900	32.0	28,800	217,400
Cumberland	3,200	3,000	23.0	69,000	521,000
Franklin	3,000	2,800	27.0	75,600	570,800
Fulton	300	300	29.0	8,700	65,700
York	27,300	26,600	30.0	798,000	6,024,800
SOUTH CENTRAL, TOTAL	**45,700**	**44,400**	**28.6**	**1,271,700**	**9,601,300**
Berks	11,900	11,800	36.0	424,800	3,207,200
Bucks	20,300	20,000	32.0	640,000	4,831,900
Chester	16,100	15,900	37.0	588,300	4,441,600
Delaware	300	300	40.0	12,000	90,600
Lancaster	18,200	18,000	40.0	720,000	5,436,000
Lebanon	11,000	10,700	31.0	331,700	2,504,300
Montgomery	9,700	9,300	27.0	251,100	1,895,800
Philadelphia	-	-	-	-	-
SOUTHEASTERN, TOTAL	87,500	86,000	34.5	2,967,900	22,407,400
PENNSYLVANIA	**230,000**	**225,000**	**32.0**	**7,200,000**	**54,360,000**

POTATO SUMMARY - 1988

BY BLAIR L. SMITH

RECORD LOW POTATO ACREAGE: Pennsylvania growers planted a record low 21,500 acres of potatoes in 1988, down from the 22,000 acres planted in 1987. Harvested acreage, also a record low was estimated at 20,500 acres, down from 21,500 acres. Average yield per acre, hurt by the drought, declined to 180 cwt. per acre, its lowest level in seventeen years. Total production was 3,690,000 cwt., 22 percent less than the previous year and also a record low. Acres entered for certified seed potatoes were 284 compared with 380 acres in 1987.

The marketing year average price for the 1988 crop is estimated at $7.90 per cwt. compared with $6.10 in 1987.

MAJOR VARIETIES: The four major varieties planted in 1988, as measured by the Objective Yield Survey were: Katahdin (21.3 percent), Norchip (16.8 percent), Atlantic (16.1 percent), and Frito Lay varieties (12.3 percent). These four varieties accounted for 66.5 percent of the potatoes planted in 1988.

POTATO STOCKS: Potato stocks for all purposes held in storage by growers, local dealers, and processors during the 1988-89 storage season were lower for all months from the previous year. Stocks held by processors included potatoes produced in other states. Processor stocks as a percent of total held in storage were: December, 41 percent; January, 47 percent; February, 58 percent; March, 66 percent; April, 53 percent; and May, 25 percent.

PENNSYLVANIA: ACREAGE, YIELD, PRODUCTION, AND VALUE OF POTATOES, 1960-1988

Year	Planted Acreage	Harvested Acreage	Yield Per Acre	Production	Season Average Price 1/	Value Of Production	Value Of Sales
	Acres		Cwt.		Dollars		
1960	41,000	40,000	192	7,680,000	2.34	17,971,000	15,575,000
1965	38,000	38,000	198	7,524,000	2.87	21,594,000	19,447,000
1970	35,000	34,500	240	8,280,000	2.65	21,942,000	19,528,000
1975	31,000	29,000	235	6,815,000	5.75	39,186,000	35,104,000
1980	23,000	22,000	190	4,180,000	7.90	33,022,000	29,807,000
1985	22,500	22,000	260	5,720,000	4.55	26,026,000	23,296,000
1986	22,000	21,500	240	5,160,000	6.80	35,088,000	32,640,000
1987	22,000	21,500	220	4,730,000	6.10	28,853,000	25,986,000
1988	21,500	20,500	180	3,690,000	7.90 2/	29,151,000 2/	

1/ Marketing Year Average price beginning in 1986. 2/ Preliminary.

PENNSYLVANIA: POTATO PRODUCTION AND FARM DISPOSITION, CROPS OF 1960-1987 1/

Crop Year	Production	Total Used For Seed	Used On Farms Where Grown		Sold
			For Seed, Feed, and Household Use	Shrinkage and Loss	
	1,000 Cwt.				
1960	7,680	695	409	615	6,656
1965	7,524	663	282	466	6,776
1970	8,280	621	249	662	7,369
1975	6,815	522	204	506	6,105
1980	4,180	396	135	272	3,773
1985	5,720	374	114	486	5,120
1986	5,160	418	102	258	4,800
1987	4,730	419	140	330	4,260

1/ 1988 Disposition data is not available until late September, 1989.

PENNSYLVANIA: POTATO PRODUCTION AND STOCKS DURING MARKETING MONTHS, CROPS OF 1960-1988

Crop Year	Production	December 1	Following Year				
			January 1	February 1	March 1	April 1	May 1
	1,000 Cwt.						
1960	7,680	4,750	3,650	2,600	1,600	-	-
1965	7,524	4,500	3,400	2,350	1,500	-	-
1970	8,280	4,650	3,900	2,750	1,800	-	-
1975	6,815	3,660	2,780	1,870	1,300	650	-
1980	4,180	3,300	2,600	1,900	1,250	900	200
1985	5,720	4,025	3,350	2,610	1,840	1,300	610
1986	5,160	3,400	2,800	2,100	1,400	1,000	400
1987	4,730	3,070	2,400	1,800	1,340	830	380
1988	3,690	2,700	2,150	1,500	950	600	200

PENNSYLVANIA: POTATOES - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County & District	Planted	Harvested	Yield	Production	Value of Production
	Acres	Acres	Cwt.	Cwt.	Dollars
Adams	190	160	150.0	24,000	189,600
Berks	90	90	170.0	15,300	120,900
Butler	330	310	190.0	58,900	465,300
Cambria	3,310	3,250	140.0	455,000	3,594,400
Carbon	180	170	180.0	30,600	241,700
Centre	80	80	180.0	14,400	113,800
Chester	390	380	160.0	60,800	480,300
Clarion	220	200	180.0	36,000	284,400
Clearfield	80	60	150.0	9,000	71,100
Clinton	90	90	230.0	20,700	163,500
Columbia	440	400	190.0	76,000	600,400
Crawford	370	370	150.0	55,500	438,500
Dauphin	60	60	150.0	9,000	71,100
Erie	3,230	3,120	210.0	655,200	5,176,100
Franklin	120	120	200.0	24,000	189,600
Indiana	150	150	190.0	28,500	225,200
Juniata	80	60	140.0	8,400	66,400
Lancaster	1,770	1,730	220.0	380,600	3,006,700
Lehigh	1,410	1,350	140.0	189,000	1,493,100
Luzerne	630	600	200.0	120,000	948,000
Lycoming	250	240	220.0	52,800	417,100
Mercer	240	230	170.0	39,100	308,900
Northampton	310	310	160.0	49,600	391,800
Northumberland	100	100	170.0	17,000	134,300
Potter	1,530	1,490	210.0	312,900	2,471,900
Schuylkill	1,470	1,420	200.0	284,000	2,243,600
Somerset	1,030	950	150.0	142,500	1,125,800
Sullivan	70	70	150.0	10,500	83,000
Tioga	70	70	160.0	11,200	88,500
Warren	300	280	160.0	44,800	353,900
York	2,180	1,900	180.0	342,000	2,701,800
OTHER COUNTIES 1/	**730**	**690**	**163.3**	**112,700**	**890,300**
PENNSYLVANIA	**21,500**	**20,500**	**180.0**	**3,690,000**	**29,151,000**

1/ Counties with 50 or less acres harvested.

PENNSYLVANIA: TOBACCO - ACREAGE, YIELD, PRODUCTION AND VALUE - 1988

County	Harvested	Yield	Production	Value of Production
	Acres	Pounds	Pounds	Dollars
Berks	120	1,907	228,800	239,200
Centre	20	1,900	38,000	38,800
Chester	210	2,020	424,200	450,400
Clinton	10	1,930	19,300	19,700
Cumberland	10	1,800	18,000	18,400
Dauphin	10	1,820	18,200	18,600
Franklin	10	1,870	18,700	19,100
Lancaster	8,730	1,911	16,684,500	18,962,300
Lebanon	230	1,944	447,100	478,600
Lycoming	10	2,020	20,200	20,600
Montour	10	1,920	19,200	19,600
Northumberland	20	1,950	39,000	39,800
Snyder	40	1,825	73,000	85,900
Union	10	1,820	18,200	24,200
York	60	1,810	108,600	110,800
PENNSYLVANIA	**9,500**	**1,913**	**18,175,000**	**20,546,000**

PENNSYLVANIA: TOBACCO ACREAGE, YIELD, PRODUCTION AND VALUE, 1960-1988

County	Acreage	Yield	Production	Value Of Production
	Acres	Pounds	1,000 Lbs.	1,000 Dols.
1960	31,000	1,700	52,700	14,756
1965	27,000	1,900	51,300	12,312
1970	17,000	1,800	30,600	9,486
1975	12,000	1,650	19,800	11,484
1977	13,500	1,940	26,190	15,714
1978	13,000	1,940	25,220	15,636
1979	11,200	1,580	17,696	12,741
1980	13,000	1,900	24,700	21,489
1981	13,300	2,050	27,265	21,812
1982 1/	13,000	1,991	25,885	20,466
1983	12,000	1,832	21,985	20,724
1984	12,000	1,864	22,370	20,984
1985	11,500	1,904	21,900	18,321
1986	11,000	1,985	21,830	14,673
1987	11,000	1,882	20,700	15,940
1988 Total	9,500	1,913	18,175	20,546
Pennsylvania Type	6,000	1,950	11,700	11,934
Maryland Type	3,500	1,850	6,475	8,612

1/ Beginning in 1982 includes Pennsylvania and Maryland Types.

PENNSYLVANIA: TOBACCO PRODUCTION, STOCKS, SUPPLIES, DISAPPEARANCE AND PRICES, 1960-1988 1/

Crop Year	Supply			Total Disappearance	Average Price
	Production	Beginning Stocks	Total Supply		
	Million Pounds				Cents
1960	52.7	109.7	162.4	47.5	28.0
1965	51.3	129.4	180.7	53.0	24.0
1970	30.6	97.3	127.9	40.9	31.0
1975	19.8	49.2	69.0	22.2	58.0
1977	26.2	49.7	75.9	21.8	60.0
1978	25.2	54.1	79.3	23.6	62.0
1979	17.7	55.7	73.4	24.3	72.0
1980	24.7	49.1	73.8	21.7	87.0
1981	27.3	52.1	79.4	27.1	80.0
1982	21.4	52.3	73.7	19.6	73.0
1983	14.2	54.1	68.3	20.3	83.0
1984	14.6	48.0	62.6	20.1	90.0
1985	15.6	42.5	58.1	16.4	71.0
1986	15.2	41.7	56.9	24.8	66.0
1987	13.3	32.1	45.4	20.3	72.0
1988 2/	11.7	25.1	36.8	17.0	102.0

1/ Pennsylvania type 41 only. Source: USDA, Agricultural Marketing Service and Economic Research Service. 2/ Estimated disappearance.

PENNSYLVANIA: SUMMARY - PRINCIPAL CROPS, HARVESTED BY COUNTIES, 1988

County & District	Field & Forage Crops		Vegetable Crops (Fresh & Proc.)		Fruit	Value of Production Field Crops Vegetables & Fruits
	Acres Harvested	Value of Production	Acres Harvested	Value of Production	Value of Production	
	Acres	Thous. Dols.	Acres	Thous. Dols.	Thous. Dols.	Thous. Dols.
Crawford	111,800	25,908	684	710	59	26,677
Erie	69,400	16,038	4,450	7,225	12,854	36,117
Forest	2,600	563	2	2	-	565
Mercer	79,300	16,992	630	806	63	17,860
Venango	21,200	3,863	96	130	50	4,043
Warren	23,800	6,542	374	427	-	6,969
NORTHWESTERN, TOTAL	**308,100**	**69,906**	**6,236**	**9,300**	**13,026**	**92,231**
Bradford	164,900	31,230	259	182	131	31,543
Cameron	1,000	194	3	2	-	196
Clinton	24,910	5,750	458	877	39	6,666
Elk	6,800	1,138	28	26	-	1,165
Lycoming	77,310	16,793	549	721	253	17,768
McKean	12,100	1,887	27	27	-	1,914
Potter	40,200	7,483	1,650	2,586	-	10,069
Sullivan	16,400	3,486	71	85	-	3,571
Tioga	107,700	20,881	111	103	97	21,081
NORTH CENTRAL, TOTAL	**451,320**	**88,842**	**3,156**	**4,609**	**520**	**93,973**
Lackawanna	20,100	4,127	1,332	2,809	12	6,948
Susquehanna	76,400	14,261	108	114	49	14,425
Wayne	55,100	10,117	58	64	14	10,195
Wyoming	28,300	6,407	206	329	157	6,893
NORTHEASTERN, TOTAL	**179,900**	**34,912**	**1,704**	**3,316**	**232**	**38,461**
Armstrong	55,400	8,267	217	203	183	8,653
Beaver	26,100	4,743	294	264	150	5,157
Butler	72,600	13,357	1,148	1,368	3	14,728
Clarion	42,400	7,770	306	381	48	8,199
Indiana	75,800	12,754	715	1,342	115	14,211
Jefferson	42,200	6,406	162	152	-	6,558
Lawrence	50,300	11,202	227	252	123	11,578
WEST CENTRAL, TOTAL	**364,800**	**64,499**	**3,069**	**3,962**	**622**	**69,084**
Blair	55,200	12,857	321	344	759	13,960
Cambria	38,300	6,633	3,338	3,656	38	10,328
Centre	86,220	17,453	1,936	1,003	224	18,680
Clearfield	27,700	4,328	97	102	65	4,495
Columbia	68,700	14,248	2,254	2,234	696	17,178
Dauphin	70,410	14,376	433	795	630	15,801
Huntingdon	63,300	11,619	87	129	169	11,917
Juniata	46,300	9,804	136	127	1,517	11,448
Mifflin	51,000	12,141	78	84	282	12,507
Montour	27,110	5,788	411	342	63	6,193
Northumberland	75,820	15,581	1,905	1,816	533	17,930
Perry	62,400	11,808	109	90	147	12,045
Snyder	62,540	11,708	644	834	1,181	13,723
Union	48,210	10,606	237	267	50	10,923
CENTRAL, TOTAL	**783,210**	**158,950**	**11,986**	**11,823**	**6,354**	**177,128**
Carbon	11,300	2,084	304	319	83	2,486
Lehigh	68,700	14,900	1,873	2,005	3,395	20,300
Luzerne	28,400	6,156	2,241	4,070	197	10,424
Monroe	15,700	2,916	167	165	17	3,099
Northampton	71,100	18,488	760	865	974	20,327
Pike	1,900	380	91	97	-	477
Schuylkill	52,600	10,305	2,455	3,913	678	14,896
EAST CENTRAL, TOTAL	**249,700**	**55,229**	**7,891**	**11,434**	**5,344**	**72,009**
Allegheny	12,600	2,479	503	545	1,661	4,685
Fayette	48,000	8,611	309	153	-	8,765
Greene	44,100	6,017	71	82	1	6,101
Somerset	103,700	16,450	1,226	1,381	124	17,954
Washington	83,000	16,645	640	766	370	17,781
Westmoreland	86,900	17,545	612	439	158	18,141
SOUTHWESTERN, TOTAL	**378,300**	**67,747**	**3,361**	**3,366**	**2,314**	**73,427**
Adams	98,400	18,221	544	497	29,517	48,236
Bedford	101,000	20,883	144	114	732	21,729
Cumberland	112,010	21,139	526	539	1,175	22,853
Franklin	157,410	32,363	399	468	9,906	42,737
Fulton	39,100	7,188	21	25	-	7,213
York	183,660	39,293	5,170	4,765	4,932	48,990
SOUTH CENTRAL, TOTAL	**691,580**	**139,087**	**6,804**	**6,408**	**46,262**	**191,758**
Berks	176,220	44,000	878	653	2,094	46,747
Bucks	69,000	17,070	2,039	3,602	470	21,142
Chester	125,010	36,759	768	860	735	38,354
Delaware	3,400	834	81	90	123	1,047
Lancaster	305,430	121,846	4,426	6,779	2,113	130,739
Lebanon	89,530	24,324	483	634	244	25,202
Montgomery	44,000	9,852	520	343	215	10,409
Philadelphia	-	-	-	-	-	-
SOUTHEASTERN, TOTAL	**812,590**	**254,683**	**9,195**	**12,961**	**5,994**	**273,640**
PENNSYLVANIA	**4,219,500**	**933,855**	**53,402**	**67,179**	**80,668**	**1,081,711**

CROP AND WEATHER SUMMARY - DATES OF FIRST AND LAST FROST, SELECTED PENNSYLVANIA STATIONS, 1988 AND NORMAL

Area & Station	County	Last Spring Minimum Of 32° F.			First Fall Minimum Of 32° F.		
		1988		Normal	1988		Normal
		Date	Low Temp. Degrees F.	Date	Date	Low Temp. Degrees F.	Date
Pocono Mountains:							
Stroudsburg	Monroe	April 26	28	May 09	October 06	31	September 29
East Central Mountains:							
Allentown	Lehigh	April 26	31	May 05	October 9	30	October 09
South East Piedmont:							
Lancaster	Lancaster	April 26	32	May 03	October 09	32	October 10
Lower Susquehanna:							
York	York	April 26	31	April 30	October 08	29	October 09
Middle Susquehanna:							
Williamsport	Lycoming	April 26	29	May 02	October 12	31	October 11
Upper Susquehanna:							
Montrose	Susquehanna	April 26	28	May 15	October 07	32	October 03
Wellsboro	Tioga	June 11	32	May 22	September 29	28	September 25
Central Mountains:							
Ridgway	Elk	June 1	31	May 26	October 07	31	September 24
State College	Centre	April 26	29	April 27	October 08	28	October 12
South Central Mountains:							
Altoona	Blair	April 22	29	May 08	October 14	28	October 08
Ebensburg	Cambria	June 11	31	May 15	October 7	31	October 03
South West Plateau:							
Butler	Butler	May 26	31	May 18	October 08	31	October 02
Donora	Washington	May 01	31	April 21	October 12	30	October 28
Uniontown	Fayette	May 26	32	April 29	October 08	32	October 15
North West Plateau:							
Brookville	Jefferson	June 10	32	May 25	October 08	31	September 23
Corry	Erie	May 26	29	May 24	October 06	31	September 25
Franklin	Venango	April 27	29	May 13	October 12	31	October 06

MSG=MISSING

PENNSYLVANIA - FIELDWORK AND CROP DEVELOPMENT, SELECTED DATES 1985-1988
Data As Reported - Pennsylvania Weekly Crop and Weather Survey State Average

Date	Oats % Planted				Barley % In Boot				Wheat % In Boot			
	1985	1986	1987	1988	1985	1986	1987	1988	1985	1986	1987	1988
April 20	45	55	49	57	-	-	-	4	-	-	-	2
25	60	68	64	68	-	-	5	5	-	-	3	3
30	76	80	73	76	15	7	20	8	9	2	8	4
May 05	90	88	80	82	18	12	28	12	16	4	14	5
10	94	91	87	88	30	20	26	20	28	9	21	12
15	97	96	93	93	30	30	20	31	38	26	31	25
20	-	99	96	96	22	35	16	27	40	39	35	46
25	-	-	97	-	12	31	12	22	22	42	32	46
30	-	-	99	-	4	20	12	15	10	28	28	36

Date	Spring Plowing % Complete				Potatoes % Planted				Corn % Planted			
	1985	1986	1987	1988	1985	1986	1987	1988	1985	1986	1987	1988
April 20	-	57	38	51	17	14	27	34	-	5	4	6
25	52	60	56	62	32	23	41	44	5	8	8	8
30	64	68	64	70	49	36	53	56	13	12	13	13
May 05	77	78	72	76	65	52	61	60	27	22	21	20
10	83	84	80	80	74	66	67	67	45	40	34	30
15	89	89	87	85	83	78	77	76	62	59	51	42
20	94	93	90	88	91	85	81	80	76	73	66	52
25	97	95	91	91	95	89	83	82	85	81	76	58
30	99	98	93	93	98	94	87	84	91	88	81	66
June 05	-	-	96	97	-	-	92	94	96	94	90	85

	Date	Oats % In Head				Barley % Turning Yellow				Corn Average Height - Inches			
		1985	1986	1987	1988	1985	1986	1987	1988	1985	1986	1987	1988
June	10.....	76	99	90	-	36	36	37	34	8	9	8	6
	15.....	10	100	95	96	43	45	43	40	12	12	11	8
	20.....	15	100	88	94	40	36	33	35	15	17	14	9
	25.....	24	92	82	91	37	32	24	36	19	22	20	11
	30.....	35	76	74	80	34	30	17	26	24	27	26	15
July	05.....	62	50	57	58	21	22	15	18	29	33	33	18
	10.....	47	37	44	45	13	16	13	15	35	40	43	21
	15.....	36	28	33	33	8	10	10	15	43	47	53	22
	20.....	32	17	24	24	3	3	8	14	50	55	60	25
	25.....	18	10	11	17	-	-	6	11	57	61	68	34
	30.....	4	-	4	6	-	-	3	5	63	67	73	45

	Date	Oats % Harvested				Tobacco % Harvested				Corn % In Silk Or Past			
		1985	1986	1987	1988	1985	1986	1987	1988	1985	1986	1987	1988
July	25.....	16	18	28	18	-	-	-	-	24	40	57	14
	30.....	32	34	41	31	-	-	-	-	42	59	71	35
Aug.	05.....	60	56	61	55	-	-	-	-	60	80	83	54
	10.....	76	78	82	72	-	-	4	4	76	92	90	70
	15.....	80	86	87	82	12	-	12	12	88	98	94	81
	20.....	82	92	92	92	24	16	23	18	94	-	98	88
	25.....	85	96	96	93	32	34	36	26	96	-	-	92
	30.....	91	99	98	96	50	50	50	33	-	-	-	96
Sep.	05.....	96	-	-	98	62	58	64	36	-	-	-	98
	10.....	-	-	-	-	71	70	72	49	-	-	-	99
	15.....	-	-	-	-	83	86	78	64	-	-	-	-
	20.....	-	-	-	-	94	96	85	80	-	-	-	-
	25.....	-	-	-	-	-	-	95	88	-	-	-	-

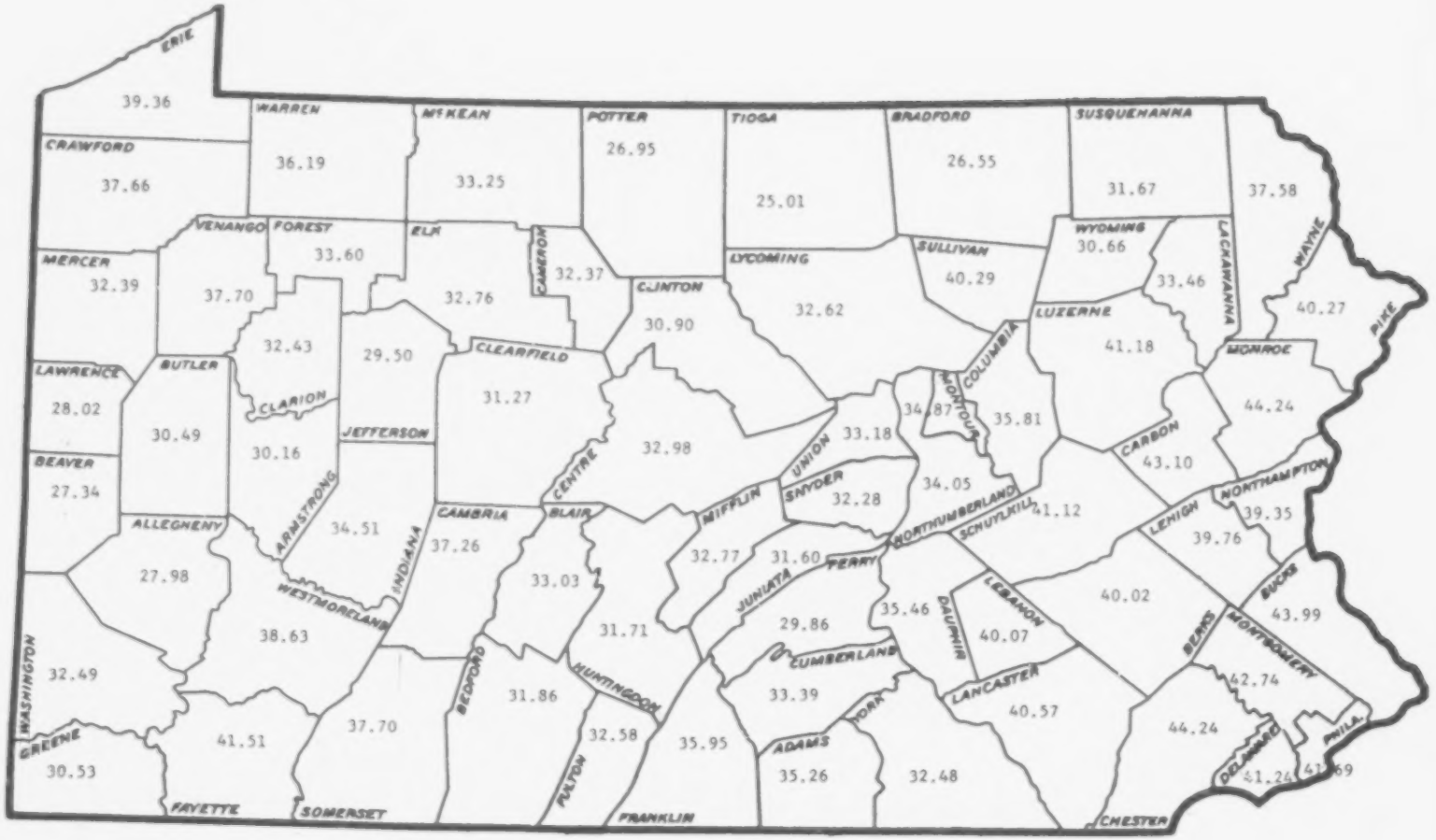
	Date	Fall Plowing % Complete				Potatoes % Harvested				Corn % In Dough Or Past			
		1985	1986	1987	1988	1985	1986	1987	1988	1985	1986	1987	1988
Aug.	10.....	15	-	11	10	26	20	14	8	23	27	41	10
	15.....	20	11	14	14	31	28	20	14	37	52	60	16
	20.....	23	20	21	16	35	36	25	23	50	70	70	35
	25.....	27	29	29	20	39	42	29	26	61	80	79	58
	30.....	36	33	33	24	46	45	33	27	71	86	87	62
Sep.	05.....	43	40	37	32	55	56	39	30	82	94	94	72
	10.....	47	52	40	39	62	66	45	36	92	98	98	80
	15.....	51	60	44	42	72	74	48	40	96	-	-	88
	20.....	58	64	48	46	75	78	50	44	-	-	-	92
	25.....	66	68	54	50	78	80	60	46	-	-	-	96
	30.....	72	74	61	58	82	82	66	52	-	-	-	
Oct.	05.....	74	82	68	66	87	85	71	56	-	-	-	98
	10.....	82	84	74	72	89	87	76	72	-	-	-	-
	15.....	90	88	82	78	92	90	78	82	-	-	-	-

	Date	Wheat % Planted				Barley % Planted				Corn % Harvested			
		1985	1986	1987	1988	1985	1986	1987	1988	1985	1986	1987	1988
Sep.	10.....	15	24	24	8	17	21	27	10	-	-	1	-
	15.....	16	31	26	11	20	25	32	18	-	-	2	-
	20.....	24	34	28	16	33	29	42	26	2	2	4	-
	25.....	32	38	30	27	44	46	44	33	4	6	5	1
	30.....	42	44	34	32	55	64	54	44	9	10	8	4
Oct.	05.....	46	54	41	44	71	79	70	60	13	13	11	5
	10.....	62	66	56	58	81	88	84	77	15	17	19	9
	15.....	75	76	64	70	89	92	88	86	20	21	25	15
	20.....	82	83	73	80	95	94	91	93	27	26	31	20
	25.....	88	89	85	88	-	-	94	96	31	39	39	25
	30.....	93	95	89	92	-	-	96	97	42	47	50	29
Nov.	05.....	-	-	92	94	-	-	-	99	52	57	61	45
	10.....	-	-	95	95	-	-	-	-	57	66	70	51

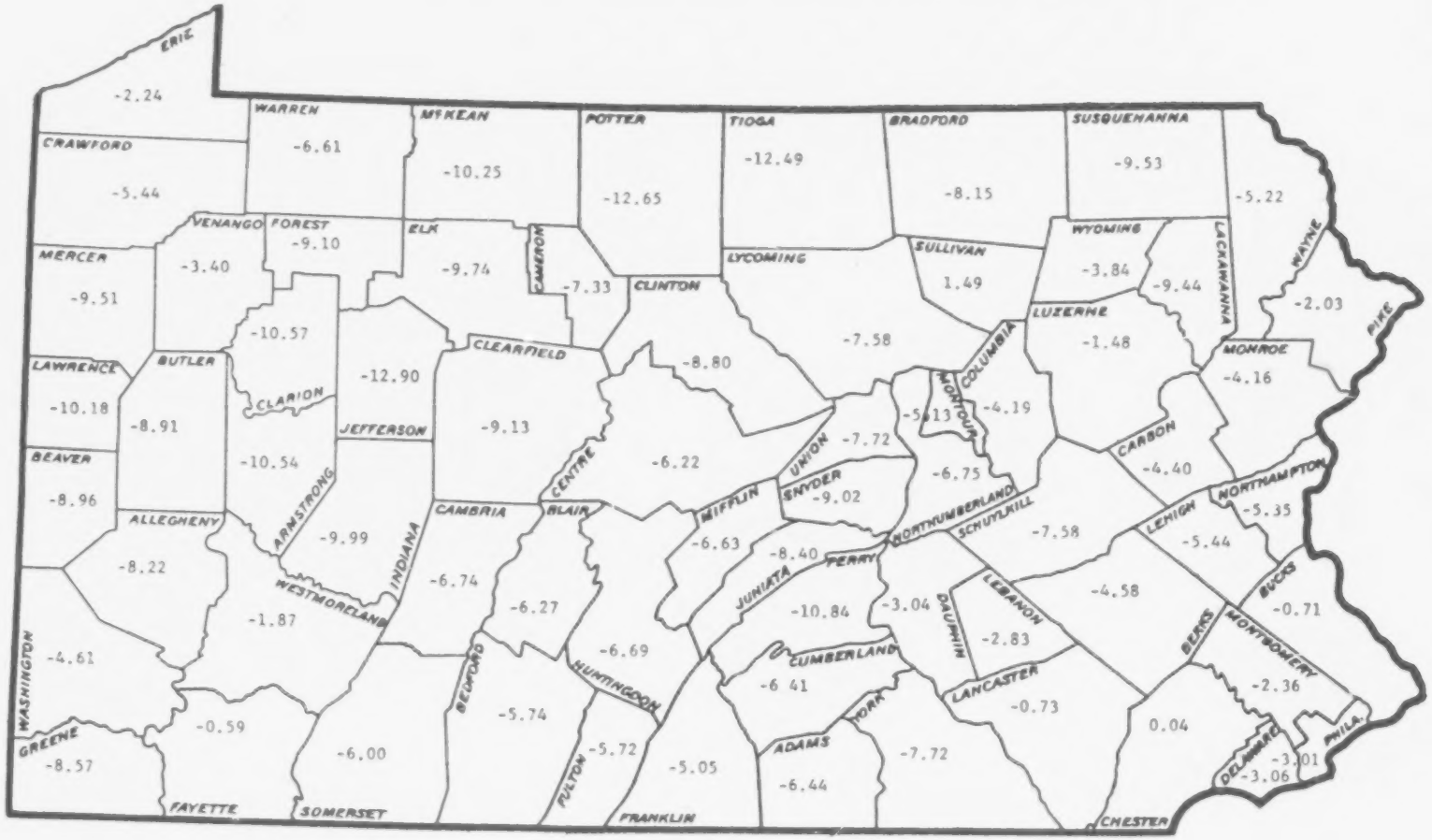
PENNSYLVANIA: TEMPERATURE, PRECIPITATION AND SNOWFALL, 1988, BY NATIONAL WEATHER SERVICE

Division	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
POCONO MOUNTAINS:												
Av. Temp.--Degrees	18.90	24.50	34.70	44.00	56.90	63.30	71.80	70.30	57.90	43.30	40.20	26.60
Departure From Normal	-4.40	-0.30	0.90	-2.10	0.60	-1.60	2.50	2.50	-2.70	-6.60	1.10	-1.20
Precip. - Inches	2.00	3.21	2.15	2.35	5.51	1.07	8.36	4.48	2.70	2.52	4.45	0.96
Departure From Normal	-1.07	0.49	-1.34	-1.45	1.74	-2.78	4.46	0.28	-1.30	-1.02	0.67	-2.49
Snowfall - Inches	16.20	16.20	2.20	1.10	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.80
EAST CENTRAL MOUNTAINS:												
Av. Temp.--Degrees	23.60	30.40	40.50	48.30	61.70	67.80	77.30	73.80	61.60	48.40	44.60	32.10
Departure From Normal	-2.70	2.40	3.40	-0.50	3.00	0.20	5.10	3.30	-1.70	-3.70	3.40	1.50
Preci. - Inches	2.43	3.27	2.19	1.42	6.94	1.48	7.10	3.41	3.64	2.26	4.44	0.87
Departure From Normal	-0.85	0.43	-1.61	-2.46	3.08	-2.25	2.74	-1.01	-0.53	-1.17	0.56	-2.74
Snowfall - Inches	21.00	11.60	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
SOUTHEAST PIEDMONT:												
Av. Temp.--Degrees	24.40	31.50	41.50	49.10	61.30	69.50	77.50	75.50	63.20	49.20	44.50	32.70
Departure From Normal	-5.50	-0.30	0.90	-2.70	-0.20	-0.90	2.60	2.00	-3.40	-6.00	[illegible]	-1.30
Precip. - Inches	2.48	3.35	2.16	2.72	6.26	0.94	7.60	3.44	2.72	2.49	5.32	1.01
Departure From Normal	-0.77	0.57	-1.61	-1.01	2.67	-2.91	3.44	-0.67	-1.07	-0.59	1.78	-2.53
Snowfall - Inches	11.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
LOWER SUSQUEHANNA:												
Av. Temp.--Degrees	24.40	31.20	41.80	49.70	61.60	70.20	77.80	75.80	62.60	48.90	43.50	32.50
Departure From Normal	-4.70	0.20	1.60	-2.00	0.30	0.20	3.40	2.70	-3.50	-5.40	0.10	-0.50
Precip. - Inches	2.40	2.30	1.56	2.22	6.74	0.84	3.38	3.31	3.04	1.43	3.71	1.14
Departure From Normal	-0.56	-0.35	-2.12	-1.38	3.10	-3.13	0.03	-0.28	-0.62	-1.55	0.51	-2.05
Snowfall - Inches	11.00	2.40	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
MIDDLE SUSQUEHANNA:												
Av. Temp.--Degrees	22.20	28.90	39.60	48.10	60.40	67.70	76.60	74.20	61.00	47.80	42.10	30.60
Departure From Normal	-4.10	0.90	2.30	-1.10	1.40	-0.10	4.50	3.60	-2.50	-4.20	0.90	0.20
Precip. - Inches	1.61	2.70	1.92	2.31	4.81	1.38	4.34	4.29	3.32	2.11	3.93	1.13
Departure From Normal	-1.10	0.21	-1.49	-1.04	1.03	-2.55	0.64	0.74	-0.39	-0.99	0.55	-1.86
Snowfall - Inches	7.00	4.90	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
UPPER SUSQUEHANNA:												
Av. Temp.--Degrees	19.50	23.00	33.60	43.30	56.40	62.40	72.20	70.40	57.30	44.30	39.40	26.60
Departure From Normal	-2.90	-0.40	1.10	-1.50	1.40	-1.40	4.00	3.90	-2.20	-4.50	1.10	-0.30
Precip. - Inches	1.13	2.87	1.48	1.92	4.16	1.16	3.19	4.40	1.75	2.00	2.63	.94
Departure From Normal	-1.30	0.63	-1.42	-1.16	0.69	-2.44	-0.32	0.96	-1.79	-1.01	-0.50	-1.77
Snowfall - Inches	8.90	17.50	11.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20	3.50
CENTRAL MOUNTAINS:												
Av. Temp.--Degrees	20.40	25.50	36.20	45.50	57.50	64.10	73.10	71.40	58.90	45.20	40.20	28.40
Departure From Normal	-3.10	0.60	2.00	-0.70	1.20	-0.70	4.20	3.90	-1.80	-4.30	1.40	0.50
Precip. - Inches	1.31	3.12	2.05	-2.37	4.55	1.01	4.10	4.57	3.23	2.04	3.47	1.42
Departure From Normal	-1.29	0.69	-1.38	-1.01	0.77	-3.03	0.03	0.83	-0.26	-0.88	0.41	-1.34
Snowfall - Inches	4.80	11.20	5.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.10	3.40
SOUTH CENTRAL MOUNTAINS:												
Av. Temp.--Degrees	22.30	27.40	37.40	47.00	58.90	65.80	73.90	72.10	59.60	46.40	41.60	29.90
Departure From Normal	-4.60	-1.10	-0.10	-2.30	0.10	-1.20	2.90	2.30	-3.60	-5.40	0.30	-1.00
Precip. - Inches	2.02	2.90	3.26	2.43	5.12	1.84	4.24	3.58	4.58	1.49	3.98	1.74
Departure From Normal	-0.94	0.24	-0.50	-1.29	1.31	-2.10	-0.15	0.06	1.33	-1.42	0.93	-1.24
Snowfall - Inches	9.90	13.40	8.30	0.50	0.00	0.00	0.00	0.00	0.00	0.10	0.30	7.30
SOUTHWEST PLATEAU:												
Av. Temp.--Degrees	24.00	27.90	37.40	47.20	59.00	65.60	73.70	72.60	61.00	45.30	42.40	30.40
Departure From Normal	-2.70	-0.70	-0.50	-2.10	0.10	-1.50	2.80	2.80	-2.40	-6.70	0.90	-1.10
Precip. - Inches	1.75	3.36	2.95	2.74	4.06	1.49	3.67	3.70	3.41	2.19	3.85	2.14
Departure From Normal	-1.29	0.76	-0.70	-1.01	0.09	-2.58	-0.56	-0.17	0.06	-0.64	1.08	-0.79
Snowfall - Inches	9.70	12.50	10.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.80	8.20
NORTHWEST PLATEAU:												
Av. Temp.--Degrees	21.80	23.70	34.40	44.70	56.90	63.10	71.50	69.80	59.00	44.40	40.70	27.50
Departure From Normal	-1.80	-1.30	0.20	-1.40	0.70	-1.80	2.80	2.30	-2.00	-5.60	1.50	-1.00
Precip. - Inches	1.34	3.00	2.20	3.25	3.10	1.63	4.81	3.83	3.51	3.86	3.94	2.37
Departure From Normal	-1.54	0.54	-1.18	-0.46	-0.65	-2.60	0.68	-0.07	-0.11	0.64	0.50	-0.86
Snowfall - Inches	12.30	21.90	14.70	1.10	0.00	0.00	.00	0.00	0.00	1.50	2.00	17.50

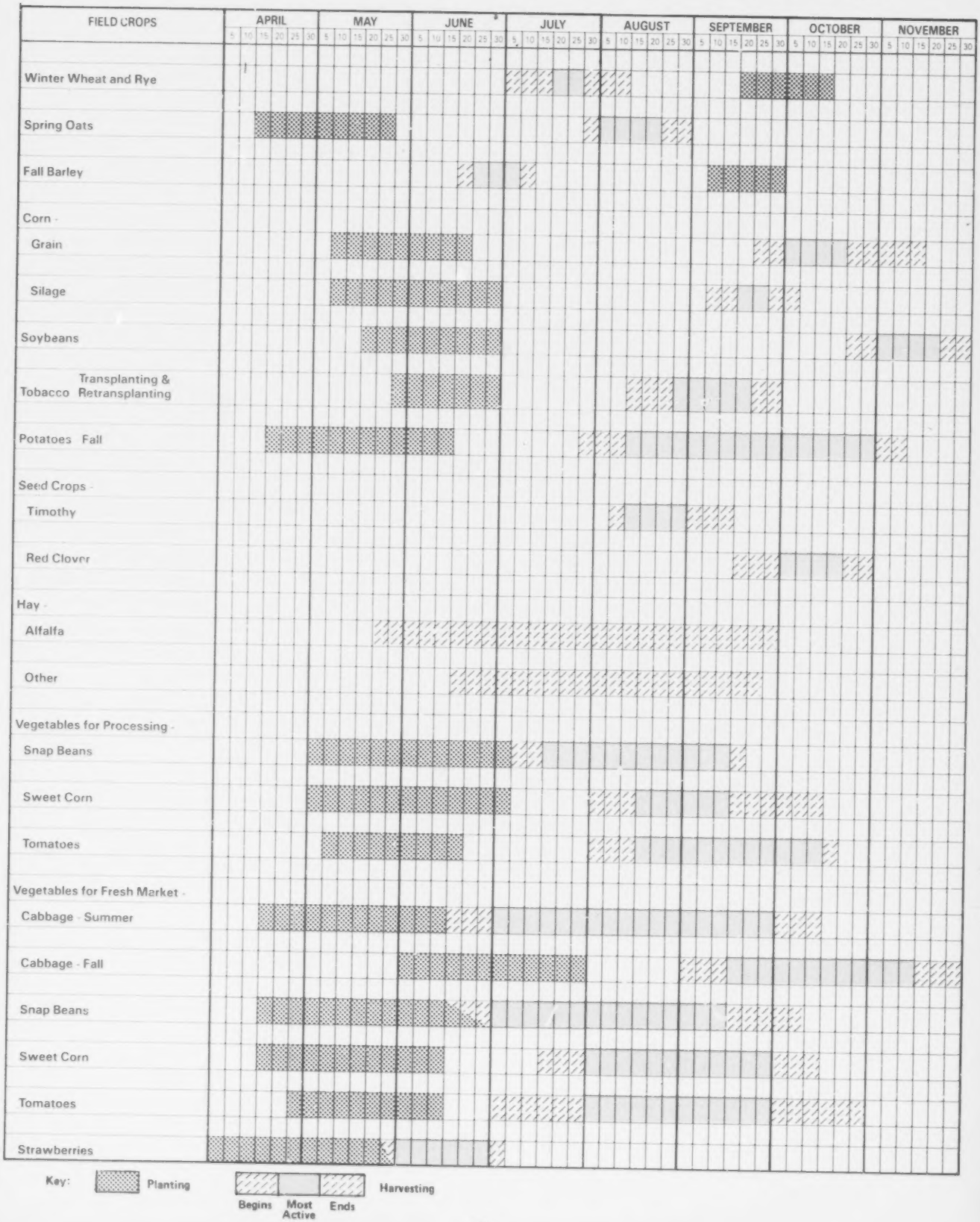
NATIONAL WEATHER SERVICE
MIDDLE ATLANTIC RIVER FORECAST CENTER
AVERAGE COUNTY PRECIP FOR THE PERIOD 1/1/88 TO 12/31/88



NATIONAL WEATHER SERVICE
MIDDLE ATLANTIC RIVER FORECAST CENTER
DEVIATION FROM NORMAL PRECIP FOR THE PERIOD 1/1/88 TO 12/31/88



USUAL PLANTING AND HARVESTING DATES FOR PRINCIPAL PENNSYLVANIA FIELD AND VEGETABLE CROPS



FRUIT REVIEW - 1988

BY HERBERT D. TRICE

During the 1988 growing season, Pennsylvania fruit crops experienced fair to good weather conditions. The average date of full bloom for various fruit crops was: apples, May 6; peaches, April 24; pears, May 3; sweet cherries, April 27; tart cherries, May 1; and grapes, June 18. The development of nearly all the state's fruit crops was delayed by cool and dry weather in late spring. Insect and disease problems were minimal to none.

The utilized production of the Commonwealth's six major fruit crops (apples, peaches, pears, sweet cherries, tart cherries and grapes) totaled 366,700 tons in 1988, up 8 percent from the 341,000 tons in 1987.

APPLES: The 1988 commercial apple crop in Pennsylvania totaled 520 million pounds, up 13 percent from 460 million pounds in 1987. The crop was valued at 47.6 million dollars, up 16 percent from the 1987 value of 41.2 million dollars. Pennsylvania ranked fifth nationally in apple production.

PEACHES: Peach production in Pennsylvania totaled 85 million pounds in 1988, the same as the 1987 total. The season average price was 19.6 cents per pound compared to 17.5 cents per pound in 1987. The value of the Commonwealth's utilized peach production was 15.7 million dollars, up 5 percent from 1987. Nationally, Pennsylvania ranked fourth in peach production.

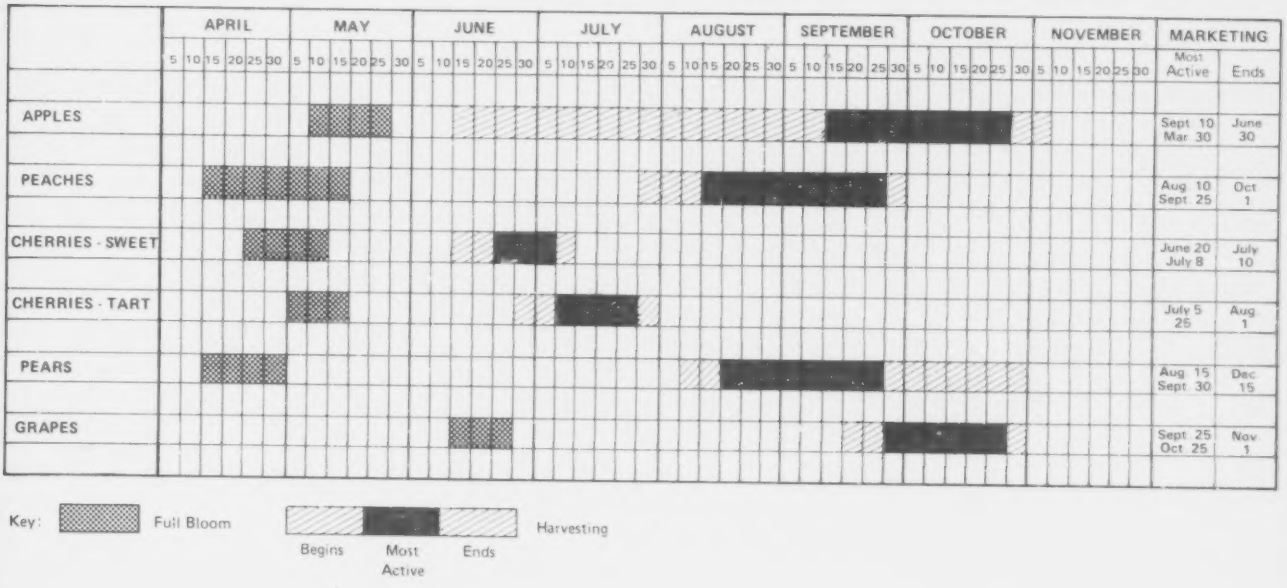
GRAPES: The 1988 grape crop in Pennsylvania totaled 58,000 tons, down 7 percent from 1987. The price per ton averaged 215 dollars, down 8 percent from the previous year. The total value was 12.5 million dollars, down 15 percent from a year earlier. The Commonwealth ranked fourth in grape production.

PEARS: The production of pears in Pennsylvania totaled 3,200 tons, the same as the previous year's figure. The utilized pear crop was valued at 1.02 million dollars, up 24 percent from the 1987 figure of .82 million dollars. The Commonwealth ranked seventh nationally in 1988 pear production.

TART CHERRIES: Tart cherry production in Pennsylvania totaled 9.0 million pounds, compared with 5.0 million pounds in 1987, an increase of 80 percent. The season average price was 25.6 cents per pound compared with 16.4 cents per pound in 1987. Nationally, the Commonwealth ranked fourth in the production of tart cherries.

SWEET CHERRIES: The production of sweet cherries in the Commonwealth for 1988 was 1,200 tons, double the 1987 figure of 600 tons. The average price per ton was 1,260 dollars, 15 percent below the previous year's price per ton of 1,480 dollars. Pennsylvania's crop for 1988 was valued at 1.5 million dollars, up 104 percent from the 1987 value of .74 million dollars. Nationally, Pennsylvania ranked ninth in sweet cherry production.

USUAL DATES OF FULL BLOOM, HARVEST AND MARKETING FOR PRINCIPAL PENNSYLVANIA FRUIT CROPS



PENNSYLVANIA: FRUIT CROPS - PRODUCTION, DISPOSITION AND VALUE, 1965-1988

Year	Production		Utilization					Price Per Unit 1/	Value Of Utilized Production
				Processed					
	Total	Utilized	Fresh	Canned	Juice	Other	All Processed		
				APPLES (MILLION LBS.)				$/Lb.	Thous. Dols.
1965	500.0	493.4	133.4	290.4	2/	69.6	360.0	.033	16,430
1970	540.0	510.0	195.0	225.1	78.9	11.0	315.0	.038	19,329
1975	550.0	503.5	228.2	201.5	62.2	11.6	275.3	.059	29,707
1980	570.0	570.0	207.8	193.1	161.9	7.2	326.2	.075	42,734
1984	575.0	575.0	207.0	228.2	132.2	7.6	368.0	.092	52,877
1985	585.0	585.0	210.0	234.1	136.1	4.8	375.0	.094	54,810
1986	620.0	620.0	136.0	319.4	155.0	9.6	484.0	.083	51,252
1987	460.0	460.0	157.0	181.2	116.0	5.8	303.0	.090	41,201
1988	520.0	520.0	138.0	276.0	98.4	7.6	382.0	.092	47,642
				PEACHES (MILLION LBS.)					
1965	110.4	105.1	88.5	-	-	-	16.6	.052	5,413
1970	84.0	84.0	74.0	-	-	-	10.0	.077	6,468
1975	90.0	90.0	83.4	-	-	-	6.6	.122	10,960
1980	105.0	105.0	94.9	9.4	-	.7	10.1	.145	15,225
1984	85.0	85.0	78.5	6.1	-	.4	6.5	.193	16,402
1985	40.0	37.4	33.9	3.1	-	.4	3.5	.251	9,376
1986	100.0	100.0	93.0	3/	-	3/	7.0	.182	18,179
1987	85.0	85.0	78.0	3/	-	3/	7.0	.175	14,916
1988	85.0	80.0	73.1	3/	-	3/	6.9	.196	15,704
				PEARS (TONS)				$/Ton	
1965	3,300	3,300	-	-	-	-		141	465
1970	4,100	4,100	-	-	-	-	-	153	627
1975	4,500	4,500	-	-	-	-	-	216	972
1980	3,500	3,500	-	-	-	-	-	299	1,046
1984	3,300	3,150	-	-	-	-	-	332	1,047
1985	2,600	2,600	-	-	-	-	-	320	833
1986	3,800	3,800	-	-	-	-	-	325	1,235
1987	3,200	3,050	-	-	-	-	-	270	822
1988	3,200	3,000	-	-	-	-	-	339	1,017
				TART CHERRIES (MILLION LBS.)				$/Lb.	
1965	25.0	24.4	-	-	-	-	-	.056	1,366
1970	14.0	14.0	.5	5.5	-	-	13.5	.078	1,092
1975	12.6	11.5	1.1	6.8	-	-	10.4	.114	1,311
1980	5.6	5.6	.8	-	-	-	4.8	.275	1,540
1984	9.0	9.0	.9	-	-	-	8.1	.263	2,367
1985	6.0	6.0	.6	-	-	-	5.4	.266	1,608
1986	12.0	12.0	1.0	-	-	-	11.0	.253	3,040
1987	5.0	4.3	.8	-	-	-	3.5	.164	704
1988	9.0	9.0	.8	-	-	-	8.2	.256	2,301
				SWEET CHERRIES (TONS)				$/Ton	
1965	1,200	1,180	-	-	-	-	-	306	361
1970	600	600	-	-	-	-	-	500	300
1975	860	860	-	-	-	-	-	730	628
1980	700	700	-	-	-	-	-	1,090	763
1984	900	900	-	-	-	-	-	1,220	1,098
1985	500	500	-	-	-	-	-	1,310	655
1986	1,050	1,000	-	-	-	-	-	1,270	1,270
1987	600	500	-	-	-	-	-	1,480	740
1988	1,200	1,200	-	-	-	-	-	1,260	1,512
				GRAPES (TONS)					
1965	49,000	45,000	2,500	-	-	-	42,500	131	5,895
1970	45,000	45,000	1,800	-	36,230	6,970	43,200	147	6,615
1975	48,000	48,000	1,660	-	39,250	7,090	46,340	168	8,064
1980	56,000	56,000	2,000	-	44,500	9,500	54,000	167	9,360
1984	60,000	59,500	1,500	-	51,600	6,400	58,000	143	8,527
1985	50,000	50,000	900	-	44,200	4,900	49,100	148	7,376
1986	60,000	60,000	1,100	-	51,400	7,500	58,900	180	10,810
1987	62,500	62,500	1,100	-	53,900	7,500	61,400	235	14,718
1988	58,000	58,000	1,000	-	51,000	6,000	57,000	215	12,496

1/ Fresh and processing prices combined. 2/ Juice included in "other." 3/ Data not published to avoid disclosure at individual operations.

PENNSYLVANIA: APPLES AND PEACHES - PRODUCTION AND VALUE, 1988

County & District	APPLES		PEACHES	
	Production	Value of Production	Production	Value of Production
	Pounds	Dollars	Pounds	Dollars
Crawford	631,000	58,100	-	-
Erie	7,222,000	664,400	254,000	49,800
Forest	-	-	-	-
Mercer	154,000	14,200	197,000	38,600
Venango	470,000	43,200	1/	1/
Warren	1/	1/	-	-
NORTHWESTERN, TOTAL	**8,477,000**	**779,900**	**451,000**	**88,400**
Bradford	1,012,000	93,100	71,000	13,900
Cameron	-	-	-	-
Clinton	422,000	38,800	1/	1/
Elk	1/	1/	1/	1/
Lycoming	1,865,000	171,600	146,000	28,600
McKean	1/	1/	-	-
Potter	1/	1/	-	-
Sullivan	-	-	-	-
Tioga	1,018,000	93,700	1/	1/
NORTH CENTRAL, TOTAL	**4,317,000**	**397,200**	**217,000**	**42,500**
Lackawanna	129,000	11,900	-	-
Susquehanna	424,000	39,100	-	-
Wayne	94,000	8,700	-	-
Wyoming	1,685,000	155,400	-	-
NORTHEASTERN, TOTAL	**2,332,000**	**215,100**	-	-
Armstrong	1,806,000	166,600	51,000	10,000
Beaver	1,350,000	124,500	103,000	20,200
Butler	1/	1/	1/	1/
Clarion	461,000	42,500	1/	1/
Indiana	1,191,000	109,900	6,000	1,200
Jefferson	1/	1/	-	-
Lawrence	1,182,000	109,000	36,000	7,100
WEST CENTRAL, TOTAL	**5,990,000**	**552,500**	**196,000**	**38,500**
Blair	7,225,000	664,700	219,000	42,900
Cambria	405,000	37,300	1/	1/
Centre	2,274,000	209,200	1/	1/
Clearfield	692,000	63,700	-	-
Columbia	3,323,000	305,700	1,767,000	346,300
Dauphin	4,632,000	426,100	665,000	130,300
Huntingdon	1,444,000	132,800	144,000	28,200
Juniata	10,968,000	1,009,000	2,329,000	456,500
Mifflin	1,412,000	129,900	606,000	118,800
Montour	322,000	29,600	77,000	15,100
Northumberland	4,007,000	368,600	329,000	64,500
Perry	1,083,000	99,600	169,000	33,100
Snyder	9,159,000	842,600	1,487,000	291,500
Union	527,000	48,500	1/	1/
CENTRAL, TOTAL	**47,473,000**	**4,367,300**	**7,792,000**	**1,527,200**
Carbon	586,000	54,100	130,000	25,500
Lehigh	21,241,000	1,960,500	6,793,000	1,332,800
Luzerne	1,857,000	171,400	35,000	6,900
Monroe	1/	1/	1/	1/
Northampton	5,165,000	476,700	2,222,000	436,000
Pike	-	-	-	-
Schuylkill	4,088,000	377,300	1,208,000	237,000
EAST CENTRAL, TOTAL	**32,937,000**	**3,040,000**	**10,388,000**	**2,038,200**
Allegheny	17,707,000	1,619,500	157,000	30,800
Fayette	1/	1/	-	-
Greene	1/	1/	-	-
Somerset	1,357,000	124,200	1/	1/
Washington	3,756,000	343,500	114,000	22,400
Westmoreland	1,347,000	123,200	114,000	22,400
SOUTHWESTERN, TOTAL	**24,167,000**	**2,210,400**	**385,000**	**75,600**
Adams	259,546,000	23,748,500	16,492,000	3,238,000
Bedford	6,873,000	628,900	197,000	38,700
Cumberland	11,373,000	1,040,600	334,000	65,600
Franklin	63,537,000	5,813,600	19,611,000	3,850,400
Fulton	1/	1/	1/	1/
York	20,496,000	1,875,400	13,798,000	2,709,100
SOUTH CENTRAL, TOTAL	**361,825,000**	**33,107,000**	**50,432,000**	**9,901,800**
Berks	14,860,000	1,359,900	3,125,000	613,800
Bucks	2,995,000	274,100	729,000	143,200
Chester	5,522,000	505,300	834,000	163,800
Delaware	345,000	31,600	432,000	84,900
Lancaster	6,540,000	598,500	4,025,000	790,800
Lebanon	1,136,000	104,000	574,000	112,800
Montgomery	1,084,000	99,200	420,000	82,500
Philadelphia	-	-	-	-
SOUTHEASTERN, TOTAL	**32,482,000**	**2,972,600**	**10,139,000**	**1,991,800**
PENNSYLVANIA	**520,000,000**	**47,642,000**	**80,000,000**	**15,704,000**

1/ Combined with other counties in the same district to avoid disclosure of individual operations.

COMMERCIAL VEGETABLE PRODUCTION - 1988

BY HERBERT D. TRICE

PENNSYLVANIA: Vegetable growers in the state experienced below normal weather conditions, due to the drought, during the 1988 growing season. Spring brought cool and dry conditions to the Commonwealth, leaving soil moisture levels slightly below normal. Precipitation and soil moisture remained well below normal throughout the balance of the growing season. Record breaking high temperatures in early July, followed by continued hot, dry weather through August contributed to an overall decrease in production levels for 1988.

PRODUCTION: The production of both fresh market and processing vegetables was 123,620 tons, down 3 percent from last year. This includes sweet corn, tomatoes, and strawberries for fresh market and snapbeans, sweet corn, and tomatoes for processing. Fresh market production was down 1 percent and processing production was down 5 percent. Sweet corn production increased 4 percent for fresh market but processing production was down 1 percent. Tomato production for fresh market was down 5 percent and tomatoes for processing fell 6 percent from 1987. Strawberry production was up 2 percent from a year ago.

YIELD: Sweet corn yields were 5,500 pounds per acre for fresh market and 3.71 tons per acre for processing. Fresh market tomato yield at 140 cwt. per acre, was down 13 percent and processing tomato yield was down 2 percent from the previous year, at 13.93 tons per acre. Strawberry yield increased in 1988 to 4,300 pounds per acre from 4,200 pounds per acre in 1987.

ACREAGE: Total harvested acreage for both fresh market and processing vegetables was down 4 percent at 30,600 acres. Fresh market acreage decreased 3 percent to 19,400 acres while processing acreage decreased 4 percent to 11,200 acres.

VALUE: The combined value of both fresh and processing vegetables at $37,178,000 increased 18 percent from 1987. The fresh market section totaled $31,969,000, up 23 percent. The processing total (at processing plant door) was $5,209,000, down 3 percent from a year ago. Fresh market prices per hundredweight were up for sweet corn, tomatoes, and strawberries. Processing vegetable prices per ton were also up for snapbeans, tomatoes, and sweet corn.

PENNSYLVANIA: TOTAL PRINCIPAL VEGETABLES, FRESH AND PROCESSING, 1970-1988

Year	Fresh				Processing				Total			
	Acreage		Production	Value	Acreage		Production	Value	Acreage		Production	Value
	Planted	Harvested			Planted	Harvested			Planted	Harvested		
			Thous. Cwt.	Thous. Dollars			Thous. Tons	Thous. Dollars			Thous. Cwt.	Thous. Dollars
1970.....	18,830	18,030	1,609	8,497	27,550	26,520	203	8,886	46,380	44,550	5,661	17,385
1975.....	19,630	18,930	1,783	14,367	23,440	22,170	147	11,577	43,070	41,100	4,721	25,944
1976.....	21,950	21,150	1,920	16,227	19,410	18,960	162	11,361	41,360	40,110	5,152	27,588
1977.....	25,970	23,470	2,036	17,358	18,770	17,770	145	10,210	44,740	41,240	4,930	27,568
1978.....	26,560	25,560	2,044	26,228	15,340	14,940	108	7,890	41,900	40,500	4,200	34,110
1979.....	27,800	26,300	1,951	25,276	15,400	14,630	98	7,574	43,200	40,930	3,909	32,850
1980.....	26,000	26,100	1,711	20,956	15,340	15,020	66	5,748	43,340	41,120	3,034	26,704
1981.....	26,700	25,600	2,189	28,355	16,300	15,800	108	10,243	43,000	41,400	4,349	38,598
1982 1/.....	22,200	21,300	1,574	26,347	16,400	15,700	114	10,905	38,600	37,000	3,854	37,252
1983.....	22,900	21,300	1,291	25,153	13,700	13,200	99	8,907	36,600	34,500	3,271	34,060
1984.....	22,900	22,100	1,977	30,782	12,700	11,800	91	8,683	35,600	33,900	3,797	39,465
1985.....	22,200	21,000	1,861	28,486	11,900	11,400	86	8,156	34,100	32,400	3,585	36,642
1986.....	23,100	22,200	1,454	26,779	11,400	10,900	72	5,951	34,500	33,100	2,894	32,730
1987.....	22,500	20,100	1,476	26,084	13,000	11,700	53	5,346	35,500	31,800	2,536	31,430
1988.....	24,000	19,400	1,468	31,969	12,900	11,200	50	5,209	36,900	30,600	2,466	37,178

1/ Beginning in 1982 fresh includes sweet corn, tomatoes and strawberries. Processing includes snap beans, sweet corn, and tomatoes.

PENNSYLVANIA: PRINCIPAL VEGETABLES FOR FRESH MARKET, 1981-1988

Crop	Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Farm Value 1/	
						Per Cwt.	Total
				Cwt.	Thous. Cwt.	Dollars	Thous. Dollars
Sweet Corn.....	1981	16,600	15,800	55	869	12.40	10,776
	1982	16,600	15,800	55	869	12.80	11,123
	1983	16,800	15,300	44	673	14.30	9,624
	1984	16,600	15,900	73	1,161	12.40	14,396
	1985	15,900	14,800	71	1,051	12.40	13,032
	1986	17,300	16,600	48	797	15.20	12,114
	1987	16,600	14,300	49	701	14.50	10,165
	1988	17,600	13,200	55	726	16.80	12,197
Tomatoes.....	1981	3,700	3,600	160	576	14.70	8,467
	1982	3,800	3,700	170	629	14.90	9,372
	1983	4,300	4,200	130	546	17.80	9,719
	1984	4,600	4,500	170	765	16.00	12,240
	1985	4,900	4,800	160	768	15.60	11,981
	1986	4,400	4,200	145	609	17.20	10,475
	1987	4,600	4,500	160	720	15.80	11,376
	1988	5,100	4,900	140	686	20.70	14,200
Strawberries.....	1981	1,700	1,700	40	68	78.60	5,345
	1982	1,800	1,800	42	76	77.00	5,852
	1983	1,800	1,800	40	72	80.70	5,810
	1984	1,700	1,700	30	51	81.30	4,146
	1985	1,400	1,400	30	42	82.70	3,473
	1986	1,400	1,400	34	48	87.30	4,190
	1987	1,300	1,300	42	55	82.60	4,543
	1988	1,300	1,300	43	56	99.50	5,572

PENNSYLVANIA: PRINCIPAL VEGETABLES FOR PROCESSING, 1981-1988

Crop	Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Value At Processing Plant Door 1/	
						Per Ton	Total
				Tons	Tons	Dollars	Thous. Dollars
Snap Beans.....	1981	5,700	5,500	2.25	12,380	191.00	2,365
	1982	6,500	6,200	2.16	13,390	201.00	2,691
	1983	4,600	4,500	1.76	7,920	198.00	1,568
	1984	5,300	4,900	2.88	14,110	200.00	2,822
	1985	4,700	4,500	3.43	15,440	207.00	3,196
	1986	4,600	4,500	1.99	8,960	186.00	1,667
	1987	6,700	6,600	2.00	13,200	195.00	2,574
	1988	7,200	6,400	1.87	11,970	213.00	2,550
Sweet Corn.....	1981	4,200	4,100	3.21	13,160	66.10	870
	1982	4,800	4,500	3.61	16,250	58.00	943
	1983	4,100	3,700	2.48	9,180	52.20	479
	1984	3,900	3,600	4.66	16,780	64.40	1,081
	1985	4,200	4,100	3.97	16,280	52.10	848
	1986	3,700	3,500	3.29	11,520	50.30	579
	1987	3,800	3,000	3.51	10,530	50.00	527
	1988	3,400	2,600	3.71	10,390	52.40	544
Tomatoes.....	1981	4,900	4,800	16.67	80,020	80.50	6,442
	1982	5,100	5,000	16.85	84,250	86.30	7,271
	1983	5,000	5,000	16.43	82,150	83.50	6,860
	1984	3,500	3,300	18.13	59,830	79.90	4,780
	1985	3,000	2,800	19.45	54,460	75.50	4,112
	1986	3,100	2,900	17.62	51,100	72.50	3,705
	1987	2,500	2,100	14.14	29,690	75.60	2,245
	1988	2,300	2,000	13.93	27,860	75.90	2,115

1/ Value of fresh vegetables represents F.O.B. farm value and processing vegetables represents plant door value.

MUSHROOMS
BY HERBERT D. TRICE

PENNSYLVANIA MUSHROOM PRODUCTION UP 1 PERCENT: Pennsylvania led all states in mushroom production with 284,783,000 pounds produced during the 1987-88 season. Production in the Keystone State accounted for 45 percent of the United States production, down from the 46 percent the previous year. Pennsylvania accounted for 39 percent of the Nation's fresh market and 61 percent of the processing sales. This compares to last season's percent of 40 and 63 respectively. Fresh market sales at 185.1 million pounds were up 1 percent from the previous year and processing sales at 99.7 million pounds, were up 2 percent. Production is primarily Agarieus bisporus (brunnescens), conventional button mushrooms, but also includes for the first time at the U.S. level separate estimates for all known growers of Shiitake (Lentinus), Oysters (Pleurotus), and other exotics and specialities. Volume of sales for commercially grown specialty mushrooms totaled 4.8 million pounds, 4 percent below the 1986-87 volume. Virtually all specialty mushrooms are sold fresh. The value of the 1987-88 specialty mushroom crop was $22.0 million, virtually unchanged from the previous year.

PENNSYLVANIA AND UNITED STATES: MUSHROOM SALES BY TYPE AND PERCENT OF TOTAL, 1976-1988

Year	Pennsylvania					United States				
	Fresh Market		Processing		Total Production	Fresh Market		Processing		Total Production
	Volume Of Sales	Percent	Volume Of Sales	Percent		Volume Of Sales	Percent	Volume Of Sales	Percent	
	1,000 Pounds									
1976-77	62,783	32	135,823	68	198,606	151,247	44	195,882	56	347,129
1977-78	75,260	34	144,798	66	220,058	191,080	46	207,623	52	398,703
1978-79	61,222	29	152,568	71	213,790	229,538	51	224,469	49	454,007
1979-80	70,049	33	143,660	67	213,709	255,846	54	214,223	46	470,069
1980-81	87,861	37	149,602	63	237,463	275,052	59	194,524	41	469,576
1981-32	120,141	44	152,907	56	273,048	319,132	62	198,014	38	517,146
1982-83	129,331	52	117,251	48	246,582	337,234	69	153,592	31	490,826
1983-84	154,675	55	124,979	45	279,654	388,075	69	173,456	31	561,531
1984-85	159,667	58	115,529	42	275,196	419,913	70	175,768	30	595,681
1985-86	156,179	61	99,981	39	256,160	427,204	73	160,752	27	587,956
1986-87	183,154	65	98,222	35	281,376	457,299	74	157,094	26	614,393
1987-88	185,109	65	99,674	35	284,783	468,776	74	162,914	26	631,690

PENNSYLVANIA AND OTHER STATES: AREA, PRODUCTION, PRICE AND VALUE

State	Area In Production				Production	Price Per Pound	Value Of Production
	First Filling	Second Filling	Additional Fillings	Total			
	1,000 Sq. Ft.				1,000 Lbs.	Cents	1,000 Dols.
	July 1, 1986 - June 30, 1987						
Pennsylvania	18,929	18,085	24,745	61,759	281,376	69.1	194,465
Other States	12,988	12,820	42,093	67,901	333,017	101.3	337,193
United States	31,917	30,905	66,838	129,660	614,393	86.5	531,658
	July 1, 1987 - June 30, 1988						
Pennsylvania	17,722	17,245	25,495	60,462	284,783	72.0	205,100
Other States	14,243	14,223	44,718	73,184	346,907	97.7	339,081
United States	31,965	31,468	70,213	133,646	631,690	86.1	544,181

PENNSYLVANIA AND OTHER STATES: BED OR TRAY AREA TO BE IN PRODUCTION JULY 1, 1988 TO JUNE 30, 1989

State	Intentions July 1988 - June 1989				Intentions As Percent of 1987 - 1988			
	First Filling	Second Filling	Additional Fillings	Total	First Filling	Second Filling	Additional Fillings	Total
	1,000 Square Feet				Percent			
Pennsylvania	16,984	16,682	25,129	58,795	96	97	99	97
Other States	15,663	15,792	47,637	79,092	110	111	107	108
United States	32,647	32,474	72,766	137,887	102	103	104	103

FLOWERS AND FOLIAGE PLANTS - 1988

BY DAVID P. KNOPF

The 1988 wholesale value of sales by commercial flower and foliage producers in Pennsylvania totaled $93,080,000, compared with $95,378,000 in 1987. A commercial producer is defined as one who had $10,000 or more in gross sales of cut flowers, flowering and foliage plants, bedding plants or cultivated florist greens.

The wholesale value of cut flowers totaled $17,397,000, up 3 percent from the previous year. The wholesale value of potted flowering plants was $28,230,000, up slightly from $28,015,000 in 1987. Sales of foliage plants for indoor and patio use totaled $12,334,000, down 6 percent from the previous year. Sales of bedding and garden plants in flats were down 11 percent to $20,638,000. Potted bedding and garden plant sales were up 3 percent to $14,481,000.

The total covered growing area for Pennsylvania in 1988 was 16,955,000 square feet, down from 17,024,000 the year before. The area covered by glass, fiberglass and other rigid materials was 7,969,000 square feet. Film and plastic greenhouse area totaled 8,740,000 square feet and shade and temporary cover area totaled 246,000 square feet. There were 632 growers in 1988 compared with 650 in 1987.

In 1988 Pennsylvania ranked sixth nationally in wholesale sales of floriculture crops. The Commonwealth ranked second in wholesale value of sales for standard mums, hybrid tea roses, poinsettias and potted geraniums grown from cuttings, and third for sweetheart roses, and potted easter lilies.

PENNSYLVANIA: FLOWERS, FOLIAGE PLANTS AND BEDDING PLANTS, 1987-1988

Flowers, Foliage Plants and Bedding Plants	Producers		Total Quantity				
			Sold			Intended	1989 as
	1987	1988	Units	1987	1988	1989	Percent of 1988
	Number			Thousand			Percent
Potted Flowering Plants							
African Violets	37	37	Pots	533	493	492	100
Chrysanthemums	170	163	Pots	1,520	1,572	1,570	100
Finished Florist Azaleas	99	106	Pots	624	660	668	101
Easter Lillies	221	205	Pots	745	726	739	102
Other Lillies	54	47	Pots	86	75	80	107
Poinsettias	396	344	Pots	3,712	3,394	3,521	104
Other Flowering Plants	229	278	Pots	2,871	2,470	2,475	100
Bedding/Garden Plants (Potted)							
Hardy/Garden Chrysanthemums	248	228	Pots	1,483	1,439	1,458	101
Geraniums (Cutting)	450	477	Pots	5,416	5,255	5,291	102
Geraniums (Seed)	190	207	Pots	3,179	3,014	2,895	96
Other Flowering and Foliage Type	270	338	Pots	2,683	2,705	2,685	99
Potted Vegetable Type	176	162	Pots	501	535	567	106
Bedding/Garden Plants (Flats)							
Geraniums	108	114	Flats	160	170	176	104
Other Flowering and Foliage Type	539	505	Flats	2,748	2,507	2,673	107
Vegetable Type	410	441	Flats	609	517	523	101

PENNSYLVANIA: FLOWERS, FOLIAGE PLANTS AND BEDDING PLANTS, 1987-1988

Flowers, Foliage Plants and Bedding Plants	Producers		Area for Production 1/			
	1987	1988	1987	1988	Intended 1989	1989 as % of 1988
	Number		1,000 Sq. Ft.			Percent
Cut Flowers						
Carnation, Standard	19	16	55	51	50	98
Chrysanthemums, Standard	82	69	300	270	267	99
Pompom	81	71	220	243	241	99
Roses, Hybrid Tea	15	14	1,214	1,304	1,105	85
Sweetheart	12	12	284	313	294	94
Other Cut Flowers	71	75	752	757	756	100
Foliage for Indoor or Patio						
Flowering Hanging Baskets	409	437	1,234	1,068	1,229	115
Foliage Hanging Baskets	130	110	726	693	728	105
Potted Foliage	104	83	552	550	531	97

1/ Quantity sold for Flowering and Foliage Hanging Baskets. NA - Not Available

PENNSYLVANIA: FLOWERS, FOLIAGE PLANTS AND BEDDING PLANTS, 1987-1988

Flowers, Foliage Plants and Bedding Plants	Production Area		% of Sales at Wholesale		Wholesale Price				Value of Sales at Wholesale 1/	
					Pots Less Than 5 Inch		Pots 5 Inch Or More			
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	1,000 Sq. Ft.		Percent		Dollars				Thous. Dols.	
Potted Flowering Plants										
African Violets	74	87	68	72	1.03	1.04	6.70	6.68	555	518
Chrysanthemums (Excluding Hardy/Garden Mums)	1,061	1,091	90	85	1.62	1.51	3.81	3.85	4,808	4,833
Finished Florist Azaleas	386	434	95	91	1.06	1.04	3.59	3.78	1,980	2,202
Easter Lilies	481	475	88	83	3.20	3.20	3.35	3.66	2,495	2,654
Other Lilies	70	64	66	62	3.94	4.07	4.00	4.41	342	323
Poinsettias	4,913	4,480	83	75	1.89	1.68	3.69	4.13	12,178	12,094
Other Flowering Plants	1,466	1,531	72	75	1.22	1.39	3.18	3.60	5,657	5,606
Total	-	-	-	-	-	-	-	-	28,015	28,230
Bedding/Garden Plants (Potted)										
Hardy/Garden Chrysanthemums	1,956	1,866	80	78	1.36	1.09	1.68	1.80	2,458	2,474
Geraniums (Cutting)	2,544	2,328	70	70	1.20	1.18	1.94	2.66	6,922	6,596
Geraniums (Seed)	826	754	87	86	.81	.72	1.75	1.45	2,643	2,175
Other Flowering and Foliage Type	975	1,045	70	67	.51	.83	1.83	1.80	1,834	2,880
Potted Vegetable Type	142	159	42	45	.34	.63	.98	1.17	195	356
Total	-	-	-	-	-	-	-	-	14,052	14,481
Bedding/Garden Plants (Flats)						1987	1988			
Geraniums	286	297	76	69		7.17	7.34		1,147	1,248
Other Flowering and Foliage Type	5,349	5,022	69	74		6.76	6.53		18,576	16,371
Vegetable Type	1,261	1,097	60	63		5.69	5.84		3,465	3,019
Total	-	-	-	-		-	-		23,188	20,638
Total of Surveyed Plants	**25,167**	**24,218**	-	-	-	-	-	-	**95,378**	**93,080**

1/ Equivalent wholesale value of all sales.

PENNSYLVANIA: FLOWERS, FOLIAGE PLANTS & BEDDING PLANTS, 1987-1988

Flowers, Foliage Plants and Bedding Plants	Units	Sales		% of Sales at Wholesale		Wholesale Price		Value of Sales at Wholesale 1/	
		1987	1988	1987	1988	1987	1988	1987	1988
		Thous.		Percent		Dollars		Thous. Dols.	
Cut Flowers									
Carnation, Standard	Blooms	812	1,013	64	61	.173	.168	140	170
Chrysanthemums, Standard	Blooms	1,257	1,127	62	70	.666	.651	837	734
Pompom	Bunches	187	247	48	45	1.64	1.42	307	351
Roses, Hybrid Tea	Blooms	18,923	17,641	88	86	.626	.684	11,846	12,066
Sweetheart	Blooms	6,838	6,591	94	89	.336	.411	2,298	2,709
Other Cut Flowers		-	-	90	91	-	-	1,527	1,367
Total		-	-	-	-	-	-	**16,955**	**17,397**
Foliage for Indoor or Patio									
Flowering Hanging Baskets	Baskets	1,234	1,068	82	81	4.92	5.39	6,071	5,757
Foliage Hanging Baskets	Baskets	726	693	91	93	4.57	4.65	3,318	3,222
Potted Foliage	Pots	-	-	72	90	-	-	3,779	3,355
Total		-	-	-	-	-	-	**13,168**	**12,334**

1/ Equivalent wholesale value of all sales.

NURSERY AND LANDSCAPING - 1987

BY MARK E. HUDSON

In 1987, gross receipts of the Commonwealth's 4,296 certified nurseries and dealers totaled 420.5 million dollars. Retail sales were 281.4 million dollars and accounted for nearly 67 percent of the total receipts. Sales by certified nurseries accounted for almost 53 percent of the total receipts while the nursery sales of certified dealers made up 47 percent of the total. The breakdown by source of products sold was: 43 percent self-grown, 44 percent purchased from other Pennsylvania establishments and 13 percent purchased from out-of-state establishments.

The nursery and landscaping industry employed 25,439 persons in 1987 with 50 percent of the total being employed full-time. In the industry work force there were also 3,384 unpaid family members. Salaries and wages paid totaled 141.6 million dollars while expenditures for services such as fertilizing, spraying, etc. totaled 7.8 million dollars.

The 1987 market value of land, structures and equipment used in Pennsylvania's nursery and landscaping industry came in at 579.1 million dollars. Total land used in nursery operations during 1987 was 49,348 acres. This includes land in certified nursery stock plus work areas and other land related with the nursery operation. Land used by operators of nursery product enterprises for all agricultural operations including nursery, totaled 168,115 acres.

Nursery greenhouse areas totaled 22.8 million square feet, cold frames covered 3.3 million square feet, shaded areas covered 4.4 million square feet and sales and storage areas covered 7.5 million square feet.

PENNSYLVANIA: NURSERY AND LANDSCAPING INDUSTRY SURVEY - 1987

Type Of Business	Number Of Establishments	Employees				Salaries & Wages Paid	Expenditures For Services 2/
		Unpaid Family	Hired 1/		Total Hired		
			Full Time	Part Time			
	-Number-					-Dollars-	
Nursery.....	2,310	2,180	6,146	7,657	13,803	77,127,892	2,791,189
Dealer.....	1,986	1,204	6,654	4,982	11,636	64,504,138	4,977,907
TOTAL.....	4,296	3,384	12,800	12,639	25,439	141,632,030	7,769,096

Type Of Business	Gross Receipts 5/			Source of Products Sold			Market Value 3/
	Wholesale	Retail	Total	Grown	Purchased		
					PA.	Other	
	-Dollars-			-Percent-			-Dollars-
Nursery.....	112,965,364	108,465,558	221,430,922	64	24	12	360,449,551
Dealer.....	26,123,831	172,936,644	199,060,475	13	72	15	218,603,742
TOTAL.....	139,089,195	281,402,202	420,491,397	43	44	13	579,053,293

Type Of Business	Land Area		Covered Area - Nursery Useage			
	Ag. & Nursery Useage	Nursery Useage 4/	Greenhouse	Cold Frames	Shaded	Sales & Storage
	-Acres-		-Square Feet-			
Nursery.....	123,548	43,091	19,556,865	3,066,499	3,203,924	4,446,984
Dealer.....	44,567	6,257	3,203,924	230,329	1,225,928	3,071,077
TOTAL.....	168,115	49,348	22,760,789	3,296,828	4,429,852	7,518,061

1/ Employees considered full-time if employed 150 days or more.
2/ Services such as fertilizing, spraying, labor contracting, etc.
3/ Market value of land, structures and equipment used in nursery product operations.
4/ Includes land in certified nursery stock plus work areas and other areas related with the nursery operation.
5/ Includes gross receipts from landscaping services and sales of nursery products.

PRICE AND INCOME REVIEW - 1988

BY MARK E. HUDSON

Season average prices received by Pennsylvania farmers for products they sold in 1988 were generally higher. Lower prices were received for hogs, sheep, lambs and farm chickens. The average milk price was unchanged at $13.10 per cwt.

Cash income in 1988 from farm marketings showed a 3 percent increase over the previous year. Preliminary cash receipts from farm marketings in 1988 was $3.31 billion compared to $3.22 billion in 1987. Total cash income from crops was estimated at $955 million, up 5 percent from 1987. Income received from livestock and livestock products at $2.36 billion was up 2 percent.

Total production expenses for Pennsylvania farmers in 1987 were $2.71 billion, a decrease of 1 percent from 1986. This is the fourth year in a row that production expenses have declined. Net farm income in 1987 was $1.05 billion, up 17 percent from the previous year. Government payments at $71.7 million, were up $27.1 million from 1986.

PENNSYLVANIA: PRICES RECEIVED BY FARMERS, MONTHLY, 1988

Commodity	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
							Dollars						
Corn	Bu.	2.19	2.23	2.26	2.30	2.39	3.17	3.46	3.35	2.91	3.22	3.12	3.09
Oats	Bu.	2.08	2.17	2.05	2.06	2.07	2.35	2.39	2.43	2.33	2.36	2.44	2.49
Barley	Bu.	1.91	1.85	1.82	1.90	1.93	2.29	2.24	2.58	2.64	2.50	2.57	2.58
Wheat	Bu.	3.46	3.39	3.42	3.27	3.37	3.68	3.60	3.72	3.91	3.41	4.02	4.26
Potatoes (All)	Cwt.	6.35	5.80	5.90	5.75	5.50	-	12.00	5.35	5.75	6.65	7.95	8.60
Alfalfa Hay	Ton	99.00	99.00	97.00	92.00	89.00	93.00	102.00	111.00	105.00	102.00	100.00	110.00
Other Hay	Ton	74.00	75.00	72.00	70.00	69.00	65.00	74.00	82.00	80.00	74.00	81.00	80.00
Hay, All Baled	Ton	88.00	88.00	86.00	82.00	80.00	80.00	89.00	98.00	94.00	89.00	91.00	97.00
Apples (Fresh Market)	Cwt.	14.50	14.40	18.00	18.40	18.60	16.90	16.70	23.80	20.10	20.60	22.90	20.80
Barrows & Gilts	Cwt.	44.70	46.90	44.20	43.30	49.60	49.50	46.70	47.80	42.50	41.00	39.30	43.10
Steers & Heifers	Cwt.	61.60	64.70	67.40	68.40	70.70	67.70	62.80	64.80	68.40	66.50	63.50	66.60
Cows, Slaughter	Cwt.	45.70	47.40	47.00	48.40	48.80	44.20	43.20	43.80	44.50	44.80	43.90	45.00
Calves	Cwt.	101.00	110.00	98.10	101.00	122.00	103.00	90.00	94.00	97.10	94.40	93.20	90.50
Milk Cows 1/	Head	990.00	-	-	1,040.00	-	-	1,030.00	-	-	1,020.00	-	-
Broilers & Roasters	Lb.	.29	.29	.31	.30	.32	.32	.34	.38	.38	.38	.36	.37
Milk (Wholesale)	Cwt.	13.30	13.10	12.70	12.40	12.10	12.10	12.30	12.70	13.50	14.00	14.50	14.70
Eggs (Market)	Doz.	.35	.35	.36	.34	.34	.35	.43	.48	.46	.49	.49	.48

1/ Estimated Quarterly.

PENNSYLVANIA: SEASON AVERAGE PRICES RECEIVED BY FARMERS, 1978-1988

Commodity	Unit	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
						Dollars						
Corn	Bu.	2.68	2.99	3.63	2.67	2.72	3.75	2.83	2.48	1.83	2.47	3.20
Oats	Bu.	1.42	1.53	2.13	2.01	1.74	1.89	1.94	1.26	1.37	1.83	2.55
Barley	Bu.	1.81	2.18	2.89	2.35	1.95	2.20	2.45	1.60	1.35	1.45	2.35
Wheat	Bu.	3.35	4.24	4.10	3.50	3.25	3.65	3.60	3.05	2.75	2.90	3.65
Potatoes	Cwt.	4.85	5.00	7.90	7.05	5.50	8.10	6.35	4.55	6.80	6.10	7.90
Hay, All Baled	Ton	62.00	55.00	75.00	94.50	89.00	98.00	85.00	67.50	80.00	84.50	94.00
Apples, All	Lb.	.089	.087	.075	.095	.093	.085	.092	.094	.083	.090	.092
Apples (Fresh Market)	Lb.	.145	.148	.129	.160	.151	.144	.147	.161	.174	.164	.174
Hogs, All	Cwt.	46.30	43.00	38.90	46.80	55.60	48.90	49.50	45.60	50.30	52.00	43.60
Steers & Heifers	Cwt.	50.80	66.80	65.60	58.00	57.90	56.30	57.70	52.60	52.50	62.10	66.40
Cows, Slaughter	Cwt.	36.90	51.40	47.60	40.60	38.70	38.40	37.60	36.20	35.10	42.30	45.50
Calves	Cwt.	64.30	97.90	93.20	86.70	69.60	70.00	64.30	63.00	65.10	83.10	99.20
Sheep	Cwt.	19.80	29.30	25.00	22.10	20.90	17.30	17.60	21.70	24.00	26.40	24.40
Lambs	Cwt.	70.00	74.40	62.60	66.80	60.80	62.40	64.60	67.00	70.30	79.50	70.80
Milk Cows	Head	743.00	1110.00	1280.00	1310.00	1200.00	1120.00	965.00	930.00	850.00	930.00	1,020.00
Farm Chickens	Lb.	.208	.206	.199	.170	.180	.160	.160	.120	.090	.090	.070
Broilers & Roasters	Lb.	.273	.275	.285	.300	.270	.280	.330	.310	.320	.290	.330
Turkeys	Lb.	.474	.460	.450	.450	.470	.470	.590	.500	.510	.420	.440
Milk (Wholesale)	Cwt.	11.10	12.70	13.60	14.20	14.00	14.00	13.90	13.10	12.90	13.10	13.10
Eggs 1/	Doz.	.49	.56	.51	.60	.56	.57	.70	.53	.57	.60	.60
Wool 2/	Lb.	.76	.85	.78	.80	.37	.45	.70	.50	.62	.66	1.38

1/ Beginning with 1981, average prices received are for market eggs only.
2/ U. S. Average

PENNSYLVANIA: AVERAGE ANNUAL PRICES PAID BY FARMERS FOR SELECTED ITEMS AND YEAR, 1977-1988 1/

Item	Unit	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
						Dollars							
Motor Supplies:													
Gasoline, Unleaded...	Gal.	.60	.63	.87	1.21	1.36	1.27	1.22	1.21	1.21	.97	.94	.97
Diesel Fuel.....	Gal.	.48	.49	.72	.98	1.20	1.17	1.06	1.08	1.01	.84	.77	.81
Spark Plugs.....	Each	1.35	1.23	1.33	1.25	1.28	1.27	1.40	1.45	1.58	1.72 2/	1.77 2/	1.82
Feed:													
Chick Starter.....	Ton	176.00	176.00	199.00	212.00	229.00	208.00	227.00	231.00	203.00	194.00	183.00	218.00
Laying Feed.....	Ton	153.00	154.00	172.00	185.00	205.00	196.00	198.00	208.00	181.00	171.00	164.00	195.00
Dairy Feed-16%.....	Ton	144.50	144.00	164.00	180.00	199.00	181.00	195.00	197.00	169.00	163.00	153.00	181.00
Middlings.....	Cwt.	7.08	6.80	7.60	8.70	9.90	9.30	9.20	9.40	7.63	7.86	6.88	8.52
Soybean Meal, 44%....	Cwt.	12.95	11.60	13.00	14.00	14.80	13.40	14.20	13.10	10.18	11.60	15.35	15.65
Corn Meal.....	Cwt.	6.03	6.20	7.00	8.00	8.80	8.30	8.90	9.40	7.72	7.68	7.03	8.12

1/ Beginning in 1986, annual averages are for the Northeast Region: CT, DE, ME, MD, NH, NJ, NY, PA, RI, VT.
2/ United States Average Price

PENNSYLVANIA: PRICES PAID BY FARMERS FOR FEED, CHICKS AND PRICE-FEED RATIOS, QUARTERLY 1988 1/

Item	Unit	Jan.	Apr.	July	Oct.
			Dollars		
Poultry:					
Chick Starter.....	Ton	207	194	233	238
Broiler Grower.....	Ton	171	188	264	232
Turkey Grower.....	Ton	220	215	272	274
Laying Feed.....	Ton	176	172	216	216
Broiler-Type Chicks Str. Run 2/	100	17.40	16.60	16.80	16.60
Egg-Type, Pullets 2/.....	100	51.00	51.30	50.10	50.50
Turkey Poults 2/.....	Each	.927	.927	.953	.950
Dairy:					
Mixed Dairy Feed, 16%.....	Ton	166	167	196	194
Mixed Dairy Feed, 18%.....	Ton	173	176	206	205
Mixed Dairy Feed, 20%.....	Ton	182	187	217	211
Mixed Dairy Feed, 32%.....	Ton	248	248	298	281
Hog & Beef:					
Mixed Hog-Feed, 14-18%.....	Ton.	187	188	226	226
Mixed Hog-Feed, 38-42%.....	Ton.	320	317	393	374
Hog-Corn Price Ratio.....		24.3	22.3	16.2	15.0
Beef-Cattle Concentrate, 32-36%.	Ton.	258	241	258	255
Ingredients:					
Bran.....	Cwt.	8.50	8.80	9.60	10.00
Corn Meal.....	Cwt.	7.00	7.40	9.10	9.00
Soybean Meal 44%.....	Cwt.	13.50	13.20	18.50	17.00
Cottonseed Meal, 41%.....	Cwt.	15.10	14.00	15.10	13.70
Stock Salt.....	50 lb.	4.40	4.50	4.40	4.60
Liquid Molasses.....	Cwt.	7.80	7.90	7.80	7.30

1/ Beginning in 1986, all prices paid are estimated Quarterly for the Northeast Region: CT, DE, NH, ND, MA, NH, NJ, NY, PA, RI, VT.
2/ United States Average price

PENNSYLVANIA: CASH RECEIPTS FROM FARM MARKETING AND GOVERNMENT PAYMENTS, 1940-1988

Year	Cash Income From Farm Marketings			Government Payments	Total Marketings & Government Payments
	Crops	Livestock & Livestock Products	Total Crops & Livestock		
	Million Dollars				
1940	75.8	192.9	268.7	6.7	275.4
1950	161.1	533.2	694.3	6.3	700.6
1960	206.0	601.0	807.0	11.8	818.8
1970	260.9	775.9	1,036.8	25.2	1,062.0
1973	368.2	985.3	1,353.5	15.3	1,368.8
1974	462.3	1,042.6	1,504.9	4.9	1,509.8
1975	475.6	1,124.8	1,600.4	5.3	1,605.7
1976	542.7	1,272.5	1,815.2	5.8	1,821.0
1977	596.5	1,301.3	1,897.8	7.5	1,905.3
1978	649.5	1,467.4	2,136.9	12.7	2,149.6
1979	726.2	1,749.7	2,475.9	6.0	2,481.9
1980	689.3	1,943.4	2,632.7	8.3	2,641.0
1981	765.2	2,147.9	2,913.1	11.9	2,925.0
1982	824.3	2,162.4	2,986.7	7.4	2,994.1
1983	789.9	2,222.5	3,012.4	30.1	3,042.5
1984	861.8	2,242.0	3,103.8	80.7	3,184.5
1985	998.9	2,183.8	3,182.7	28.6	3,211.3
1986	902.9	2,241.7	3,144.6	44.6	3,189.2
1987	905.0	2,319.2	3,224.2	71.7	3,295.9
1988	954.7	2,357.8	3,312.5	-	-

PENNSYLVANIA: FARM BALANCE SHEET (INCLUDING OPERATOR HOUSEHOLDS), DECEMBER 31, 1983-87 1/

Item	1983	1984	1985	1986	1987
	Million Dollars				
Total farm assets:					
Real estate	19,950.5	19,010.8	18,310.5	20,659.1	21,820.2
Livestock and poultry	14,285.4	13,137.0	12,615.0	14,662.5	15,461.5
Machinery and motor vehicles	1,275.1	1,246.7	1,133.3	1,203.3	1,392.3
Crops 2/	2,203.0	2,135.4	1,969.0	1,799.8	1,708.1
Household equip. and furnishings	622.3	787.0	646.5	579.5	618.7
Deposits and currency	768.8	858.2	985.9	1,350.1	1,515.9
U.S. savings bonds	331.0	360.0	392.1	461.4	500.0
Investments in cooperatives	65.5	66.8	73.4	85.7	95.3
	399.3	419.5	495.3	510.9	528.5
Total farm debt	2,953.6	2,960.6	2,741.1	2,533.3	2,418.5
Real estate debt 3/	1,708.7	1,676.1	1,579.6	1,440.2	1,433.2
Nonreal estate debt 4/	1,244.9	1,284.5	1,161.4	1,093.1	985.3
Equity	16,996.9	16,050.2	15,569.4	18,125.7	19,401.7
	Ratio				
Equity/assets	85.2	84.4	85.0	87.7	88.9
Debt/equity	17.4	18.4	17.6	14.0	12.5
Debt/assets: Total	14.8	15.6	15.0	12.3	11.1
Debt/assets: Real estate	12.0	12.8	12.5	9.8	9.3
Debt/assets: Nonreal estate	22.0	21.9	20.4	18.2	15.5
Net farm income/debt 5/	10.5	28.5	27.6	34.0	42.4

1/ Data are for farms with annual sales of $1,000 or more. 2/ All crops held on farms including value above loan rates for crops held under CCC. 3/ Includes CCC storage and drying facilities loans. 4/ Includes debt owed to institutional lenders and to noninstitutional or miscellaneous lenders. 5/ Total debt in this ratio is an average for the year.

PENNSYLVANIA: FARM INCOME INDICATORS, 1983-87

Item	1983	1984	1985	1986	1987
			Million Dollars		
Gross Farm Income 1/	3,398.6	3,856.4	3,663.3	3,637.7	3,758.3
Cash income	3,097.7	3,251.7	3,294.0	3,269.6	3,372.0
Farm marketings	3,012.4	3,103.8	3,182.7	3,144.6	3,224.2
Crops	789.9	861.8	998.9	902.9	905.0
Livestock and products	2,222.6	2,242.0	2,183.8	2,241.7	2,319.2
Government payments	30.1	80.7	28.6	44.6	71.8
Other farm income	55.3	67.2	82.6	80.4	76.0
Machine hire/customwork	7.2	8.6	11.8	7.6	11.6
Other farm-related income	48.0	58.6	70.8	72.8	64.3
Noncash income	424.6	438.4	395.2	377.7	440.0
Value of home consumption	41.1	39.7	33.5	32.8	34.8
Rental value of dwellings	383.5	398.6	361.8	344.9	405.2
Operators dwellings	378.9	394.2	357.8	341.4	401.6
Hired laborers dwellings	4.5	4.4	4.0	3.6	3.5
Value of inventory adjustment	-123.7	166.4	-26.0	-9.7	-53.7
Total production expenses 1/	3,086.0	3,013.5	2,876.9	2,740.8	2,707.9
Intermediate product expenses	1,860.2	1,754.9	1,668.4	1,563.2	1,547.8
Farm origin	899.5	801.2	757.7	696.4	690.9
Feed	730.1	636.3	593.6	539.5	522.1
Livestock and Poultry	116.1	103.4	104.5	103.8	115.2
Seed	53.3	61.4	59.6	53.1	53.6
Manufactured inputs	385.1	364.9	360.1	287.7	274.9
Fertilizer and lime	145.2	124.0	127.1	98.1	77.6
Pesticides	46.0	52.8	55.3	49.7	50.8
Fuel and oil	133.5	127.1	117.1	85.2	79.0
Electricity	60.5	61.0	60.6	54.7	67.4
Other	575.6	588.9	550.5	579.1	582.0
Repair and operation	173.9	178.2	187.6	204.3	210.7
Other miscellaneous 2/	401.7	410.6	362.9	374.8	371.2
Interest	288.4	279.4	266.6	243.8	228.5
Real estate	175.4	172.1	143.1	132.3	120.4
Nonreal estate	113.0	107.3	123.5	111.5	108.2
Contract and hired labor expenses	241.3	239.8	242.3	243.8	265.5
Cash labor expenses	227.7	225.4	229.3	232.7	252.1
Perquisites	13.6	14.4	13.0	11.1	13.4
Net rent to nonoperator landlords	-37.6	-7.1	-15.2	-20.5	-19.4
Capital consumption	645.0	662.7	622.2	616.9	584.9
Property taxes	88.5	83.8	92.5	93.6	100.5
NET FARM INCOME	312.6	842.9	786.4	896.9	1,050.4
Cash income 3/	3,097.7	3,251.7	3,294.0	3,269.6	3,372.0
Cash expenses 3/	2,352.7	2,257.7	2,162.8	2,028.8	2,016.6
Intermediate product expenses	1,822.0	1,713.2	1,619.3	1,502.1	1,484.6
Interest	260.9	251.3	247.4	233.5	212.7
Cash labor expenses	227.7	225.4	229.3	232.7	252.1
Net rent to nonoperator landlords	-37.6	-7.1	-15.2	-20.5	-19.4
Property taxes	79.6	74.9	82.0	80.9	86.6
NET CASH INCOME	745.1	994.0	1,131.1	1,240.9	1,355.5
Cash income	3,097.7	3,251.7	3,294.0	3,269.6	3,372.0
Cash expenses	2,352.7	2,257.7	2,162.8	2,028.8	2,016.6
Capital consumption	530.5	539.6	500.3	479.2	451.6
NET BUSINESS INCOME 4/	214.5	454.4	630.9	761.6	903.9
Gross receipts of farms 5/	3,019.7	3,462.2	3,305.5	3,296.3	3,356.7
Nonfactor payments 3/	2,432.1	2,327.7	2,201.6	2,062.3	2,022.7
Intermediate product expenses	1,822.0	1,713.2	1,619.3	1,502.1	1,484.6
Capital consumption	530.5	539.6	500.3	479.2	451.6
Property taxes	79.6	74.9	82.0	80.9	86.6
Factor payments 3/	587.5	1,134.5	1,102.9	1,234.0	1,334.0
Interest	260.9	251.3	247.4	233.5	212.7
Contract and hired labor expenses	241.3	239.8	242.3	243.8	265.5
Net rent to nonoperator landlords	-37.6	-7.1	-15.2	-20.5	-19.4
RETURNS TO OPERATORS 6/	122.9	650.5	629.3	777.2	875.1
Off-farm income 7/	982.8	1,033.5	1,131.0	1,185.1	1,241.6
			Number		
Number of farms	59,000	58,000	58,000	56,500	56,000

1/ Includes operator households. 2/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. 3/ Excludes operator households. 4/ Cash income less cash expenses and capital consumption. 5/ Gross farm income less rental value of operators' dwellings. 6/ Gross receipts of farms less nonfactor payments, interest, wages to contract and hired labor, and net rent to nonoperator landlords. 7/ Includes off-farm income for members of farm operators' households only.

PENNSYLVANIA: CASH RECEIPTS FROM SALE OF AGRICULTURAL PRODUCTS FROM FARMS BY COMMODITIES, 1983-1987

Commodity	1983	1984	1985	1986	1987
			Thousand Dollars		
ALL COMMODITIES	3,012,427	3,103,798	3,182,717	3,144,635	3,224,220
LIVESTOCK PRODUCTS	2,222,559	2,242,027	2,183,827	2,241,741	2,319,173
MEAT ANIMALS	431,942	441,157	399,582	418,414	534,618
Cattle/Calves	310,882	303,701	294,681	307,418	380,053
Hogs	118,363	133,953	102,086	108,051	151,319
Sheep/Lambs	2,697	3,503	2,815	2,945	3,246
DAIRY PRODUCTS	1,330,863	1,305,705	1,311,305	1,316,565	1,340,447
Milk Retail	68,763	55,400	59,600	61,395	60,577
Milk Wholesale	1,262,100	1,250,305	1,251,705	1,255,170	1,279,870
POULTRY/EGGS	421,525	448,653	417,155	454,699	389,858
Broilers	117,833	121,006	123,294	136,963	140,843
Chickens, Farm	12,130	7,205	7,603	7,441	7,871
Eggs	230,838	255,660	218,808	230,690	173,899
Turkeys	60,724	64,782	67,450	79,560	67,200
Other Poultry	NA	NA	NA	45	45
MISCELLANEOUS LIVESTOCK	38,229	46,512	55,785	52,063	54,250
All Other Livestock	37,938	46,050	55,500	50,760	52,640
CROPS	789,868	861,771	998,890	902,894	905,047
FOOD GRAINS	23,702	23,730	24,735	20,077	17,147
Wheat	22,940	23,018	23,999	19,550	16,481
FEED CROPS	164,634	174,119	298,487	192,505	194,856
Barley	3,351	5,642	2,829	2,844	2,752
Corn	81,889	79,310	206,758	95,761	79,990
Hay	70,287	83,185	78,736	89,380	104,763
Oats	9,107	5,982	10,164	4,520	7,351
TOBACCO	20,436	21,219	20,984	18,330	14,673
OIL CROPS	23,377	30,108	29,203	25,230	25,687
Soybeans	23,377	30,108	29,203	25,230	25,687
VEGETABLES	70,258	80,193	79,157	73,193	77,522
Potatoes	29,256	31,108	29,682	28,193	32,220
Beans, Snap	1,568	2,822	3,196	1,667	2,574
Corn, Sweet	10,103	15,477	13,880	12,693	10,692
Tomatoes	16,279	17,020	16,093	14,180	13,621
Miscellaneous Vegetables	12,402	12,905	15,000	16,000	17,500
FRUITS/NUTS	81,949	88,580	85,505	106,282	103,173
Apples	41,818	51,147	56,339	61,458	60,130
Cherries	5,048	3,411	2,206	4,310	1,444
Grapes	10,596	8,527	7,378	10,810	14,718
Peaches	15,590	16,402	9,376	18,179	14,916
Strawberries	5,810	4,146	3,473	4,190	4,543
Other Berries	1,500	2,500	4,000	4,100	4,100
Miscellaneous Fruits & Nuts	900	1,400	2,000	2,000	2,500
ALL OTHER CROPS	405,512	443,822	460,819	467,277	471,989
Mushrooms	187,305	196,488	178,937	170,600	170,600
Other Seeds	545	650	750	750	700
Other Field Crops	1,532	2,250	3,000	3,000	3,000
Greenhouse/Nursery	216,130	244,434	278,132	292,927	297,689

PENNSYLVANIA: CASH RECEIPTS FROM THE SALE OF AGRICULTURAL CROPS, BY COUNTIES, 1987 1/

County & District	Crops				Total All Crops
	Field	Vegetables & Potatoes	Fruits	Horticulture & Mushrooms	
	Thousand Dollars				
Crawford	5,728	972	102	886	7,688
Erie	4,371	9,035	20,994	6,993	41,393
Forest	66	5	0	0	71
Mercer	5,159	1,016	74	3,611	9,860
Venango	852	69	63	562	1,546
Warren	960	475	74	29	1,538
NORTHWESTERN, TOTAL	**17,136**	**11,572**	**21,307**	**12,081**	**62,096**
Bradford	3,681	320	147	413	4,561
Cameron	23	2	0	0	25
Clinton	1,752	786	48	15	2,601
Elk	215	11	0	5	231
Lycoming	4,754	889	297	2,042	7,982
McKean	337	2	0	431	770
Potter	904	3,599	0	30	4,533
Sullivan	388	126	0	0	514
Tioga	2,102	195	7	268	2,572
NORTH CENTRAL, TOTAL	**14,156**	**5,930**	**499**	**3,204**	**23,789**
Lackawanna	654	2,955	15	182	3,806
Susquehanna	2,253	87	50	74	2,464
Wayne	1,443	56	11	715	2,225
Wyoming	1,088	344	193	239	1,864
NORTHEASTERN, TOTAL	**5,438**	**3,442**	**269**	**1,210**	**10,359**
Armstrong	3,289	263	244	49,191	52,987
Beaver	1,623	240	210	1,211	3,284
Butler	4,377	1,508	0	29,158	35,043
Clarion	2,102	466	69	355	2,992
Indiana	3,944	878	153	5,262	10,237
Jefferson	1,552	173	6	819	2,550
Lawrence	4,118	153	158	3,345	7,774
WEST CENTRAL, TOTAL	**21,005**	**3,681**	**840**	**89,341**	**114,867**
Blair	2,524	461	936	863	4,784
Cambria	1,523	4,680	49	1,636	7,888
Centre	4,623	798	275	758	6,454
Clearfield	1,205	188	80	1,224	2,697
Columbia	4,862	2,412	900	5,047	13,221
Dauphin	4,697	937	772	1,290	7,696
Huntingdon	2,884	113	207	268	3,472
Juniata	2,870	192	1,918	19	4,999
Mifflin	2,756	194	340	212	3,502
Montour	1,967	391	66	590	3,014
Northumberland	5,873	1,500	666	758	8,797
Perry	3,567	105	181	336	4,189
Snyder	3,158	1,062	1,481	131	5,832
Union	2,995	456	64	67	3,582
CENTRAL, TOTAL	**45,504**	**13,489**	**7,935**	**13,199**	**80,127**
Carbon	722	424	105	698	1,949
Lehigh	6,533	2,433	4,237	1,184	14,387
Luzerne	1,590	3,715	235	3,318	8,858
Monroe	720	132	0	284	1,136
Northampton	6,965	1,082	1,213	1,808	11,068
Pike	125	196	0	26	347
Schuylkill	3,501	4,654	853	466	9,474
EAST CENTRAL, TOTAL	**20,156**	**12,636**	**6,643**	**7,784**	**47,219**
Allegheny	667	705	2,103	9,692	13,167
Fayette	2,478	208	0	1,563	4,249
Greene	1,136	91	1	458	1,686
Somerset	3,560	2,173	150	1,079	6,962
Washington	4,190	799	457	2,701	8,147
Westmoreland	5,028	623	184	6,344	12,179
SOUTHWESTERN, TOTAL	**17,059**	**4,599**	**2,895**	**21,837**	**46,390**
Adams	5,424	1,057	34,727	1,527	42,735
Bedford	3,917	169	853	67	5,006
Cumberland	6,651	472	1,426	3,191	11,740
Franklin	7,744	778	12,287	587	21,396
Fulton	1,693	36	0	74	1,803
York	15,745	5,187	6,300	5,485	32,717
SOUTH CENTRAL, TOTAL	**41,174**	**7,699**	**55,593**	**10,931**	**115,397**
Berks	13,523	860	2,636	69,883	86,902
Bucks	9,295	3,675	598	15,180	28,748
Chester	10,761	1,132	893	190,289	203,075
Delaware	242	50	165	13,124	13,581
Lancaster	26,890	7,285	2,303	11,007	47,485
Lebanon	5,045	976	311	2,553	8,885
Montgomery	4,794	496	286	9,530	15,106
Philadelphia	185	0	0	836	1,021
SOUTHEASTERN, TOTAL	**70,735**	**14,474**	**7,192**	**312,402**	**404,803**
PENNSYLVANIA	**252,363**	**77,522**	**103,173**	**471,989**	**905,047**

1/ Totals may not add due to rounding.

PENNSYLVANIA: CASH RECEIPTS FROM THE SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS, GOVERNMENT PAYMENTS AND TOTAL CASH RECEIPTS BY COUNTIES, 1987 1/

County & District	Livestock And Products				Government Payments 2/	Total All Crops, Livestock Products & Gov't Payments
	Meat Animals & Misc. Livestock	Dairy	Poultry	Total Livestock & Products		
	Thousand Dollars					
Crawford	7,237	39,217	2,770	49,224	1,285	58,197
Erie	6,846	30,582	506	37,934	1,043	80,370
Forest	118	627	6	751	24	846
Mercer	6,226	22,141	294	28,661	1,595	40,120
Venango	1,958	3,823	36	5,817	244	7,607
Warren	2,171	9,951	246	12,368	102	14,008
NORTHWESTERN, TOTAL	**24,556**	**106,341**	**3,858**	**134,755**	**4,297**	**201,148**
Bradford	16,779	75,526	2,882	95,187	825	100,573
Cameron	0	229	6	235	5	265
Clinton	2,984	6,319	400	9,703	773	13,077
Elk	970	1,003	1,076	3,049	31	3,311
Lycoming	5,415	14,717	1,047	21,179	1,725	30,886
McKean	774	3,246	12	4,032	83	4,885
Potter	2,362	13,534	12	15,906	217	20,658
Sullivan	1,218	4,883	12	6,113	124	6,751
Tioga	5,414	39,618	294	45,326	582	48,480
NORTH CENTRAL, TOTAL	**35,916**	**159,075**	**5,741**	**200,732**	**4,365**	**228,886**
Lackawanna	2,733	5,391	24	8,148	170	12,124
Susquehanna	4,687	38,207	201	43,095	248	45,807
Wayne	4,732	27,970	24	32,726	63	35,014
Wyoming	4,609	13,887	12	18,508	305	20,677
NORTHEASTERN, TOTAL	**16,761**	**85,455**	**261**	**102,477**	**786**	**113,622**
Armstrong	3,842	8,772	46	12,660	736	66,383
Beaver	1,722	6,469	282	8,473	61	11,818
Butler	6,079	11,816	576	18,471	728	54,242
Clarion	2,608	9,525	35	12,166	651	15,811
Indiana	4,987	14,750	140	19,877	737	30,851
Jefferson	1,726	7,240	59	9,025	231	11,806
Lawrence	4,246	12,780	1,435	18,461	863	27,098
WEST CENTRAL, TOTAL	**25,210**	**71,352**	**2,573**	**99,135**	**4,007**	**218,009**
Blair	4,975	27,851	130	32,956	548	38,288
Cambria	4,872	4,857	376	10,105	516	18,509
Centre	5,470	24,571	224	30,265	1,305	38,024
Clearfield	1,194	5,268	24	6,486	256	9,439
Columbia	4,609	6,953	2,033	13,595	1,603	28,419
Dauphin	9,321	14,414	11,257	34,992	820	43,508
Huntingdon	5,155	22,226	3,558	30,939	883	35,294
Juniata	4,459	18,071	12,533	35,063	980	41,042
Mifflin	5,598	30,013	3,423	39,021	530	43,066
Montour	3,004	4,141	12	7,157	846	11,017
Northumberland	10,209	9,004	7,427	26,640	2,489	37,926
Perry	5,323	17,887	9,061	32,271	1,520	37,980
Snyder	7,402	13,481	8,702	29,585	433	35,850
Union	7,950	13,261	2,773	23,984	682	28,248
CENTRAL, TOTAL	**79,541**	**211,998**	**61,533**	**353,072**	**13,411**	**446,610**
Carbon	672	810	189	1,671	346	3,966
Lehigh	3,342	3,477	1,223	8,042	1,604	24,033
Luzerne	1,560	4,497	977	7,034	656	16,548
Monroe	1,209	988	12	2,209	421	3,766
Northampton	4,196	12,690	1,387	18,473	2,413	31,954
Pike	117	174	12	303	30	680
Schuylkill	6,545	5,077	11,949	23,571	1,427	34,472
EAST CENTRAL, TOTAL	**17,641**	**27,913**	**15,749**	**61,303**	**6,897**	**115,419**
Allegheny	2,835	1,632	270	4,737	68	17,572
Fayette	4,236	7,760	811	12,807	592	17,648
Greene	3,271	2,962	24	6,257	150	8,093
Somerset	8,311	34,094	1,129	43,534	861	51,357
Washington	6,651	16,764	94	23,529	355	32,031
Westmoreland	7,353	19,258	756	27,367	910	40,456
SOUTHWESTERN, TOTAL	**32,657**	**82,490**	**3,084**	**118,231**	**2,936**	**167,557**
Adams	23,226	18,364	21,594	63,184	2,029	107,948
Bedford	8,492	33,867	282	42,641	815	48,462
Cumberland	15,394	43,730	8,064	67,188	2,058	80,986
Franklin	20,752	83,655	9,332	113,739	1,537	136,672
Fulton	2,489	10,640	36	13,165	692	15,660
York	29,523	29,760	12,914	72,197	2,176	107,090
SOUTH CENTRAL, TOTAL	**99,876**	**220,016**	**52,222**	**372,114**	**9,307**	**496,818**
Berks	27,781	53,407	12,332	93,520	2,282	182,704
Bucks	6,467	11,776	212	18,455	615	47,818
Chester	20,845	52,633	11,744	85,222	1,630	289,927
Delaware	1,836	790	6	2,632	110	16,323
Lancaster	171,446	201,400	185,274	558,120	1,787	607,392
Lebanon	22,436	45,810	33,523	101,769	661	111,315
Montgomery	5,899	9,991	1,740	17,630	627	33,363
Philadelphia	0	0	6	6	0	1,027
SOUTHEASTERN, TOTAL	**256,710**	**375,807**	**244,837**	**877,354**	**7,712**	**1,289,869**
PENNSYLVANIA	**588,868**	**1,340,447**	**389,858**	**2,319,173**	**53,718**	**3,277,938**

1/ Totals may not add due to rounding. 2/ Differs from Government payments shown in preceding tables due to different accounting periods used.

AGRICULTURAL EXPORTS - 1988
BY P. GREGORY TRUCKOR

PENNSYLVANIA: Agricultural exports from the Keystone State during the fiscal year (FY) October 1987-September 1988 were valued at 236.8 million dollars. This represents an increase of 16 percent from the 203.6 million dollars worth of commodities exported in FY 1987.

Pennsylvania exports ranked fifth in dairy products, ninth in hides and skins and animal fats and tenth in prepared fruits and poultry and poultry products.

UNITED STATES: The value of agricultural exports for the U.S. during FY 1988 totaled 35.3 billion dollars, an increase of 27 percent from the 27.9 billion dollars exported in FY 1987. Commodities that performed well in export markets included cottonseed, wheat, sunflower seed oil, cotton, rice, feed grains, nuts, live animals and meat, animal fats, feeds and fodders and soybeans. All commodities except peanuts showed value increases in FY 1988.

California was the leading U.S. agricultural export state in FY 1988. Fruits, nuts and vegetables accounted for 65 percent of California's exports. The total value of their exports was 3.4 billion dollars. Other leading export States and their value were: Iowa, 2.9 billion; Illinois, 2.6 billion; Kansas, 2.3 billion and Texas, 2.2 billion.

The exported share of U.S. agricultural production increased to 18 percent in FY 1988, it's highest level in 4 years and 4 points above the 1987 level. The 18 percent share for total agricultural exports was below the record 24 percent set in FY 1981. The wheat market contributed substantially to the FY 1988 increase as the share of wheat production exported increased from 52 percent to 73 percent.

METHODOLOGY: State agricultural export estimates are based on the assumption that if a State contributes a certain percentage of U.S. production for each commodity, it receives the same percentage in export revenues. Additional information, such as estimated feed use by State, wheat shipments by type, and Customs data by port of export is incorporated into the estimating procedure when appropriate.

U.S. & PA AGRICULTURAL EXPORTS: ESTIMATED VALUE BY COMMODITY GROUP, FISCAL YEARS 1986-88

COMMODITY AND YEAR		PENNSYLVANIA	UNITED STATES	COMMODITY AND YEAR		PENNSYLVANIA	UNITED STATES
		Million Dollars					
Soybeans & Products	1986	15.8	5,578.5	Poultry & Products	1986	16.0	455.3
	1987	16.1	5,752.9		1987	22.2	594.3
	1988	20.4	6,915.5		1988	23.4	647.4
Tobacco - Unmanufactured	1986	3.9	1,317.5	Fats, Oils & Greases	1986	14.1	476.5
	1987	3.8	1,203.1		1987	13.6	416.8
	1988	4.0	1,296.0		1988	16.9	544.6
Fruits - Prepared	1986	8.8	1,237.0	Dairy Products	1986	22.9	431.0
	1987	10.1	1,466.2		1987	28.4	490.6
	1988	15.0	1,714.4		1988	26.7	535.5
Vegetables - Prepared	1986	6.0	998.2	Feeds & Fodders	1986	6.7	557.0
	1987	5.5	1,175.8		1987	6.5	671.9
	1988	5.4	1,282.4		1988	9.2	872.9
Live Animals & Meat	1986	30.0	1,356.7	Seeds	1986	1.5	366.4
	1987	41.7	1,630.2		1987	1.5	371.1
	1988	54.2	2,248.6		1988	1.7	414.5
Hides & Skins	1986	38.7	1,440.4	Other	1986	4.3	1,427.8
	1987	48.5	1,665.6		1987	5.7	1,656.3
	1988	53.2	1,837.5		1988	6.7	1,958.9
				Total	1986	168.7	26,306.9 1/
					1987	203.6	27,876.0 1/
					1988	236.8	35,334.3 1/

1/ Includes value for some commodities not shown separately which are not produced or exported from Pennsylvania.

RECORD HIGHS AND LOWS IN PENNSYLVANIA AGRICULTURE 1/

Field Crops & Vegetables	Year Estimates Started		Acreage		Yield			Production	
			Harvested	Year	Unit	Per Acre	Year	Total	Year
			1,000					1,000	
Corn For Grain.....	1919	High	1,861	1981	Bu.	110	1985	151,800	1985
		Low	672	1966		22	1930	19,074	1930
Corn For Silage.....	1919	High	550	1988	Ton	16.5	1985	7,448	1982
		Low	156	1921		6.0	1930	1,326	1923
Wheat.....	1866	High	1,610	1901	Bu.	53	1988	26,565	1901
		Low	170	1988		10.5	1872	7,095	1978
Oats.....	1866	High	1,330	1888	Bu.	70	1985	44,165	1918
		Low	260	1988		17.5	1890	13,000	1988
Barley.....	1866	High	245	1955	Bu.	66	1988	9,900	1967
		Low	7	1915		17.5	1901	130	1914
Rye.....	1866	High	398	1879	Bu.	37	1985	4,368	1891
		Low	11	1981		9	1870	186	1951
Soybeans.....	1924	High	225	1988	Bu.	35	1986	7,200	1988
		Low	2	1935		13	1957	33	1935
All Hay.....	1866	High	3,300	1892	Ton	2.66	1985	5,302	1985
		Low	1,870	1976		1.00	1911	2,255	1866
Alfalfa Hay.....	1919	High	850	1987	Ton	3.30	1985	2,772	1985
		Low	31	1919		1.60	1957	65	1919
Potatoes.....	1866	High	308	1917	Cwt.	260	1985	19,662	1934
		Low	20.5	1988		38	1876	3,690	1988
Tobacco.....	1866	High	49	1918	Lbs.	2,050	1981	72,275	1918
		Low	3	1869		730	1881	3,390	1867
Mushrooms.....	1966	High	-	-	Lbs.	-	-	284,783	1988
		Low	-	-		-	-	93,000	1966
Snap Beans (Proc.)..	1918	High	10.0	1965	Ton	3.43	1985	18.5	1967
		Low	.1	1921		.8	1930	.3	1921
Sweet Corn (Fresh)..	1939	High	29.4	1944	Cwt.	73	1984	1,250	1944
		Low	10.9	1972		35	1939	545	1972
Sweet Corn (Proc.)..	1918	High	16.7	1943	Ton	4.66	1984	44.9	1956
		Low	1.1	1921		.90	1930	3.0	1921
Strawberries.....	1918	High	4.1	1937	Cwt.	43	1988	125.3	1937
		Low	1.1	1974		14	1945	2.7	1945
Tomatoes (Fresh)....	1918	High	4.9	1988	Cwt.	170	1984	768	1985
		Low	.5	1926		53	1926	27	19[illegible]
Tomatoes (Proc.)....	1918	High	37.2	1945	Ton	20.4	1976	225.0	1958
		Low	.9	1921		2.9	1946	4.3	1921

1/ In some cases the record high and/or low is identical for more than one year. In such cases, the year shown is the latest year of occurrence.

RECORD HIGHS AND LOWS IN PENNSYLVANIA AGRICULTURE (CONTINUED) 1/

Fruit	Year Estimates Started	Unit		Production	
				Total	Year
Apples	1889	Mil. Lbs.	High	1,114	1896
			Low	78	1921
Tart Cherries	1938	Mil. Lbs.	High	35.0	1964
			Low	3.2	1977
Sweet Cherries	1938	Ton	High	2,200	1940
			Low	200	1972
Peaches	1839	Mil. Lbs.	High	148.8	1954
			Low	6.9	1899
Pears	1909	Ton	High	21,125	1920
			Low	1,900	1973
Grapes	1909	Ton	High	62,500	1987
			Low	6,000	1945

Livestock & Products	Year Estimates Started	Unit		Inventory January 1 Or Production	
				Total	Year
Cattle & Calves	1867	1,000	High	2,100	1982
			Low	1,250	1927
Milk Cows	1867	1,000	High	1,039	1956
			Low	670	1867
Hogs & Pigs	1867	1,000	High	1,265	1919
			Low	386	1966
Sheep	1867	1,000	High	2,985	1867
			Low	88	1984
Chickens (All)	1924	1,000	High	26,188	1946
			Low	13,850	1975
Turkeys (Raised)	1929	1,000	High	8,000	1987
			Low	192	1929
Broilers Produced	1939	1,000	High	126,900	1988
			Low	2,500	1939
Milk	1929	Mil. Lbs.	High	10,204	1988
			Low	2,242	1929
Eggs	1924	Mil. Eggs	High	5,302	1988
			Low	1,649	1924
Wool	1909	1,000 Lbs.	High	4,514	1911
			Low	570	1985

1/ In some cases the record high and/or low is indentical for more than one year. In such cases the year shown is the latest year of occurrence.

PENNSYLVANIA: RANKING OF STATES IN CROP PRODUCTION, 1988

Item	1	2	3	4	5	6	7	8	9	10	PA if Not in Top 10
Corn for Grain	IA	NE	IL	IN	MN	OH	MO	KS	SD	WI	16
Corn for Silage	WI	NY	PA	MN	IA	CA	NE	MI	VA	OH	-
Winter Wheat	KS	OK	WA	TX	MO	CO	NE	IL	AR	ID	27
Oats	IA	MN	SD	WI	PA	NE	IL	OH	TX	NY	-
Barley	ID	ND	WA	MT	MN	CA	OR	CO	UT	WY	14
Rye	SD	GA	NE	ND	MN	NC	PA	OK	SC	MI	-
All Hay	CA	MN	IA	NE	TX	KS	MO	NY	WI	PA	-
All Other Hay	TX	MO	KY	KS	OK	NE	MN	NY	PA	TN	-
Alfalfa Hay	CA	IA	MN	WI	NE	ID	MI	CO	NY	KS	11
Soybeans for Beans	IA	IL	MN	IN	MO	OH	AR	NE	LA	MS	24
Tobacco	NC	KY	SC	VA	TN	GA	PA	FL	OH	MD	-
Potatoes (All)	ID	WA	ME	OR	CO	WI	CA	ND	MN	MI	13
Apples	WA	NY	MI	CA	PA	VA	NC	WV	OR	ID	-
Peaches	CA	SC	GA	PA	NJ	WA	MI	NC	VA	OR	-
Pears	WA	CA	OR	NY	MI	CO	PA	UT	CT	-	-
Grapes	CA	WA	NY	PA	MI	AZ	OH	AR	NC	MO	-
Cherries, Sweet	WA	OR	MI	CA	MT	ID	UT	NY	PA	-	-
Cherries, Tart	MI	NY	UT	PA	WI	OR	CO	-	-	-	-
Mushrooms	PA	CA	MI	IN	OH	DE	GA	MD	NY	-	-
Sweet Corn, Fresh Market	FL	NY	CA	PA	MA	NJ	OH	MI	CO	WA	-
Processing	WI	MN	WA	OR	ID	IL	NY	MD	DE	PA	-
Tomatoes, Fresh Market	FL	CA	SC	VA	TN	PA	GA	NJ	NY	AL	-
Processing	CA	OH	IN	MI	NJ	NY	PA	MD	CO	DE	-
Snap Beans, Processing	WI	OR	NY	MI	IL	IN	MN	PA	TN	AK	-
Strawberries	CA	FL	OR	WA	MI	NY	OH	PA	LA	NC	-
Floriculture Crops (Wholesale Value)	CA	FL	OH	MI	NY	PA	TX	IL	NJ	NC	-

PENNSYLVANIA: RANKING OF COUNTIES IN CROP PRODUCTION, 1988

Item	1	2	3	4	5	6	7	8	9	10
Wheat	York	Lanc.	Berks	Adams	Cumb.	Lehigh	Frank.	North'tn.	Chester	North'ld
Corn for Grain	Lanc.	Berks	York	Chester	North'tn	Lyc.	Lebanon	Lehigh	Frank.	Craw.
Corn for Silage	Lanc.	Frank.	Brad	Berks	Lebanon	Chester	Cumb.	Bedford	Blair	Craw.
Oats	Somer.	Craw.	York	Berks	Schuyl.	West'ld.	Mercer	North'ld.	Centre	Butler
Barley	York	Lanc.	Berks	Frank.	Chester	Cumb.	Lebanon	Dauphin	Adams	North'ld
Soybeans	York	Lanc.	Bucks	Chester	Berks	Lebanon	North'ld.	Adams	North'tn.	Lehigh
Alfalfa Hay	Lanc.	Berks	Chester	Frank.	Bedford	Brad.	Wash.	Centre	West'ld.	Lebanon
All Other Hay	Brad.	Tioga	Craw.	Lanc.	Susq.	Wayne	Erie	York	Frank.	Wash.
All Hay	Lanc.	Brad.	Berks	Tioga	Chester	Frank.	Craw.	Bedford	Wash.	York
Potatoes	Erie	Cambria	Lanc.	York	Potter	Schuyl.	Lehigh	Somer.	Luzerne	Columbia
Tobacco	Lanc.	Lebanon	Chester	Berks	York	Snyder	North'ld.	Centre	Lyc.	Clinton
Apples	Adams	Frank.	Lehigh	York	Alleg.	Berks	Cumb.	Juniata	Snyder	Blair
Peaches	Frank.	Adams	York	Lehigh	Lanc.	Berks	Juniata	North'tn.	Columbia	Snyder

PENNSYLVANIA: RANKING OF STATES IN LIVESTOCK, POULTRY AND CASH RECEIPTS

Item	1	2	3	4	5	6	7	8	9	10	PA if Not in Top 10
LIVESTOCK INVENTORY 1/1/89											
All Cattle & Calves.....	TX	KS	NE	OK	IA	CA	MO	WI	SD	MN	17
Milk Cows.....	WI	CA	NY	MN	PA	OH	TX	MI	IA	MO	-
Hogs & Pigs 1/.....	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS	16
Sheep & Lambs.....	TX	CA	WY	CO	SD	MT	NM	UT	OR	IA	21
POULTRY INVENTORY: 1/											
All Chickens, Excluding Broilers.....	CA	IN	PA	GA	OH	AR	NC	TX	AL	FL	-
Layers.....	CA	IN	PA	GA	OH	NC	AR	TX	FL	AL	-
Turkeys Raised.....	NC	MN	CA	AR	MO	VA	IN	PA	IA	SC	-
LIVESTOCK & POULTRY PRODUCTION, 1988:											
Milk Production.....	WI	CA	NY	MN	PA	MI	OH	TX	WA	IA	-
Milk Production Per Cow.	WA	CA	NM	OR	AZ	CO	UT	AK	ID	CT	15
Egg Production.....	CA	IN	PA	OH	GA	AR	NC	TX	FL	AL	-
Broilers Produced.....	AR	GA	AL	NC	MS	TX	MD	DE	CA	VA	11
Egg-Type Chick Hatch....	IN	PA	CA	FL	IA	MN	GA	AL	MO	AR	-
Broiler Chick Hatch.....	AR	AL	GA	NC	MS	MD	TX	DE	VA	PA	-
SLAUGHTER IN COMMERCIAL PLANTS: HEAD (1988)											
Cattle.....	KS	TX	NE	CO	IA	IL	CA	WI	MN	PA	-
Calves.....	NY	WI	PA	IN	CA	IL	OH	TX	FL	NJ	-
Hogs.....	IA	IL	MI	NE	VA	MN	IN	MO	SD	OH	17
Sheep & Lambs.....	CO	CA	IA	TX	KS	MN	IL	MI	WA	NM	11
Total Red Meat (lbs.)...	IA	NE	KS	TX	IL	CO	MN	CA	SD	MI	11
CASH RECEIPTS (1987):											
Total.....	CA	TX	IA	NE	IL	MN	KS	FL	WI	IN	14
Livestock & Products..	TX	IA	NE	CA	WI	KS	MN	CO	PA	IL	-
Crops.....	CA	FL	IL	IA	TX	MN	IN	NE	WA	OH	23

1/ Inventory December 1, 1988.

PENNSYLVANIA: RANKING OF COUNTIES IN LIVESTOCK, POULTRY, NUMBER OF FARMS AND CASH RECEIPTS

Item	1	2	3	4	5	6	7	8	9	10
INVENTORY, JANUARY 1, 1989:										
Cattle & Calves.....	Lanc.	Frank.	Brad.	Berks	Chester	York	Bed.	Tioga	Leb.	Somer.
Hogs & Pigs 1/.....	Lanc.	York	Berks	Frank.	Leb.	Nth'ld.	Adams	Cumb.	Snyder	Schuyl.
Sheep & Lambs.....	Greene	Wash.	Lanc.	Brad.	York	Butler	Somer.	Mercer	West'id.	Adams
Chickens, Excluding Broilers 1/...	Lanc.	Adams	Leb.	Frank.	York	Dauphin	Berks	Chester	Cumb.	Schuyl.
Cows in Milking Herd, 1988.....	Lanc.	Frank.	Brad.	Berks	Chester	Cumb.	Leb.	Craw.	Tioga	Susq.
PRODUCTION, 1988:										
Broilers Raised.....	Lanc.	Leb.	Juniata	Berks	Snyder	Perry	Nth'ld.	Dauphin	Hunt'g.	Chester
Milk Production.....	Lanc.	Frank.	Brad.	Berks	Chester	Cumb.	Leb.	Craw.	Tioga	Susq.
Egg Production.....	Lanc.	Adams	Leb.	York	Frank.	Dauphin	Cumb.	Schuyl.	Chester	Berks
NUMBER OF FARMS.....	Lanc.	York	Berks	Chester	Wash.	Brad.	Frank.	Erie	Craw.	Mercer
CASH RECEIPTS, 1987.....	Lanc.	Chester	Berks	Frank.	Leb.	Adams	York	Brad.	Cumb.	Erie

1/ Inventory December 1, 1988.

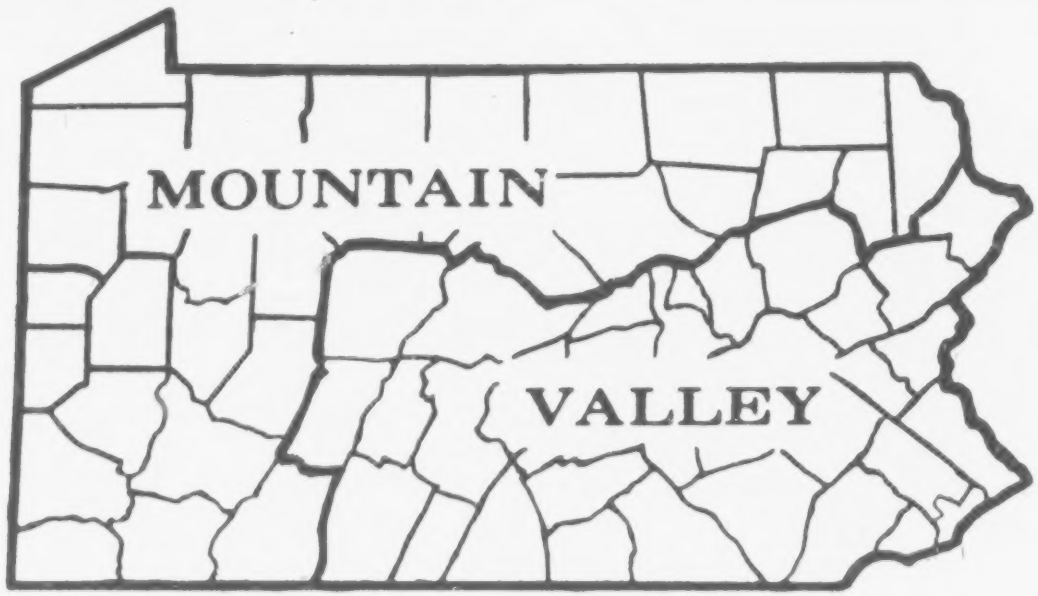
MACHINERY CUSTOM RATES - 1989

BY MARK E. HUDSON

The custom rates shown are averages from voluntary reports by custom operators throughout Pennsylvania. Most of the rates are stated per acre, ton, bale, or bushel rather than per hour to reduce the variation due to machinery size. Individual rates vary due to differences in working conditions, services performed, or even the operator's eagerness to do custom work. Therefore, the average rates shown should not be considered absolute indications of fair charges.

Acreage rates are shown separately for two regions of the state, labeled **"Mountain"** and **"Valley"**. The differences in rates between regions reflect differences in terrain, soils and alternative opportunities for the labor and equipment used. Figures labeled **"The State"** represent the straight average of all reports used regardless of geographic location.

Custom rates are mostly up this year. Of the 65 rates reported, 78 percent have increased, 8 percent have decreased, and the remaining 14 percent are the same as last year. The overall average is up three percent from the previous year. This percentage increase was computed by adding the rates for all jobs, regardless of basis of charge, and dividing by last year's comparable total.



CUSTOM RATES: SELECTED FARMING OPERATIONS, PENNSYLVANIA, 1989

Job	Basis Of Charge	Mountain Section	Valley Section	State
		Harvesting		
Corn Picking	Acre	$18.90	$18.60	$18.70
Corn Picking and Shelling	Acre	22.80	22.50	22.60
Corn Combining	Acre	23.50	23.00	23.20
Corn Drying (23 Percent)	Bu.	.26	.26	.26
Combining Small Grains	Acre	20.30	21.00	20.70
Hay Making:				
Mowing	Acre	6.90	7.00	7.00
Mowing and Conditioning	Acre	8.30	8.60	8.50
Raking	Acre	4.90	4.90	4.90
Pick-Up Baling:				
Twine	Bale	.30	.30	.30
Wire	Bale	.38	.38	.38
Cut, Rake, Bale, And Store	Bale	.67	.75	.71
Large Round Baler (Avg. = 1120 Lbs.)	Bale	6.20	5.80	6.00
Stacker-Wagon (Avg. = 1 Ton)	Stack	18.00	18.60	18.00
Silage Making:				
Pull-Type Chopper And Tractor	Hour	30.00	32.50	31.30
Self-Propelled Chopper	Hour	47.00	53.00	50.00
Blower	Hour	5.00	5.20	5.10
1 Man, 2 Wagons, 1 Tractor	Hour	25.00	27.20	26.10
2 Men, 2 Wagons, 2 Tractors	Hour	38.30	39.30	38.50

CUSTOM RATES: SELECTED FARMING OPERATIONS, PENNSYLVANIA, 1989 (Continued)

Job	Basis Of Charge	Mountain Section	Valley Section	State
Plowing & Cultivating				
Plowing, Moldboard Plow:				
Spring, Stubble	Acre	$10.20	$11.30	$10.80
Sod	Acre	11.40	12.00	11.70
Fall, Stubble	Acre	10.30	11.30	10.80
Sod	Acre	11.80	12.50	12.20
Plowing, Deep (10 Inches or More)	Acre	12.50	12.80	12.70
Plowing, Chisel	Acre	10.80	10.60	10.70
Plowing, Disk	Acre	9.80	10.10	10.00
Disking, Tandem	Acre	8.70	9.00	8.90
With Harrow or Cultipacker	Acre	9.80	10.20	10.00
Harrowing:				
Spike Tooth	Acre	6.50	7.10	6.80
Spring Tooth	Acre	7.50	7.50	7.50
Cultivating	Acre	7.80	7.90	7.90
Planting & Drilling				
Planting Corn With Fertilizer:				
Conventional-Till Planting	Acre	9.30	10.60	10.30
Reduced-Till Planting	Acre	11.30	11.50	11.40
No-Till	Acre	12.10	12.80	12.50
Planting Soybeans, Without Fertilizer:				
Conventional-Till	Acre	9.20	10.00	9.60
Reduced-Till	Acre	10.90	11.30	11.10
No-Till	Acre	12.60	13.20	12.90
Drilling Small Grain:				
Without Fertilizer	Acre	7.70	8.10	7.90
With Fertilizer	Acre	8.60	8.80	8.70
With Fertilizer and Clover Seed	Acre	9.80	10.00	9.90
Seeding Alfalfa, Clover, Etc	Acre	8.40	9.10	9.80
Broadcast Seeding (On Grain Fields)	Acre	5.00	5.40	5.20
Cleaning Grain Seed:				
With Treatment	Bu.	.58	.64	.61
Without Treatment	Bu.	.40	.45	.43
Spraying				
Ground Equipment:				
Spraying For Weed Control:				
Excluding Material	Acre	5.10	5.00	5.00
Spraying For Corn Borer:				
Including Cost of Material	Acre	9.50	9.50	9.50
Excluding Cost of Material	Acre	5.00	5.10	5.10
Spraying For Spittle Bug or Alfalfa Weevil:				
Including Cost of Material	Acre	7.00	7.20	7.10
Excluding Cost of Material	Acre	5.20	5.10	5.10
Aerial Application (Excluding Material):				
Fixed Wing	Acre	7.50	7.50	7.50
Helicopter	Acre	7.50	7.80	7.70
Miscellaneous				
Stalk Shredding, P.T.O.	Acre	7.40	8.00	7.70
Spreading Bulk Fertilizer:				
Dry	Acre	4.80	4.60	4.70
Liquid	Acre	4.80	4.80	4.80
Side Dressing	Acre	5.70	5.80	5.80
Grinding Feed:				
Corn, Oats, or Barley	Cwt.	.53	.51	.52
Corn and Cobs	Cwt.	.54	.53	.53
Cobs	Cwt.	.55	.54	.54
Additional Charge For Mixing	Cwt.	.18	.18	.18
Machine Tiling (No Tile)	Foot	.40	.46	.43
Back Hoe	Hour	32.10	32.00	32.00
Sawing Wood (Chain Saw)	Hour	10.00	10.40	10.20
Post Hole Digging	Hole	.67	.71	.69
Manure Loading	Hour	17.20	18.00	17.60
Manure Spreading	Hour	18.00	18.50	18.30
Bulldozing (Avg. H.P. 89)	Hour	42.80	44.60	43.70

PENNSYLVANIA: NUMBER OF FARMS AND LAND IN FARMS, 1960-1988 1/

Year	Number Of Farms	Land In Farms	
		Total Acres	Per Farm
		Thousand	Acres
1960	106,000	12,300	116
1965	85,000	11,300	133
1970	74,000	10,200	138
1975	66,000	9,600	145
1979	61,000	9,000	148
1980	62,000	9,000	145
1981	61,000	8,900	146
1982	60,000	8,800	147
1983	59,000	8,700	147
1984	58,000	8,700	150
1985	58,000	8,700	150
1986	56,500	8,500	150
1987	56,000	8,400	150
1988	55,000	8,300	151

1/ Farm Definition - Any place where $1,000 or more of agricultural products were produced and sold or normally would have been sold during the year.

FARM REAL ESTATE VALUES: AVERAGE VALUE PER ACRE OF LAND AND BUILDINGS BY STATE, 1950-1989 1/

State	March 1, 1950	March 1, 1960	March 1, 1970	February 1, 1980	April 1, 1985	February 2, 1986	February 1, 1987	February 1, 1988	February 1, 1989
					Dollars				
Maine	54	84	161	594	856	993	1,082	1,236	1,323
New Hampshire	73	104	239	1,004	1,419	1,646	1,794	2,037	2,180
Vermont	56	81	224	721	1,017	1,180	1,286	1,345	1,439
Massachusetts	190	314	565	1,608	2,372	2,752	2,999	3,534	3,782
Rhode Island	232	379	734	2,523	3,335	3,869	4,217	6,240	6,676
Connecticut	246	446	921	2,387	3,208	3,721	4,056	4,914	5,256
New York	92	145	273	720	808	824	931	956	1,014
New Jersey	293	528	1,092	2,947	3,525	3,913	5,321	6,189	7,214
Pennsylvania	**107**	**188**	**373**	**1,464**	**1,510**	**1,450**	**1,725**	**1,819**	**2,201**
Delaware	114	243	499	1,798	1,642	1,757	1,775	1,695	2,217
Maryland	125	290	640	2,238	2,097	1,887	1,831	2,014	2,216
Michigan	99	194	326	1,111	1,052	936	833	853	879
Wisconsin	89	133	232	1,004	847	711	626	630	661
Minnesota	84	155	226	1,086	823	609	493	563	602
Ohio	136	248	399	1,730	1,126	1,013	962	991	1,051
Indiana	137	264	406	1,863	1,259	1,058	931	983	1,061
Illinois	174	316	490	2,041	1,314	1,143	1,040	1,114	1,225
Iowa	161	257	392	1,840	1,064	841	748	890	1,041
Missouri	64	115	224	902	659	606	552	572	606
North Dakota	29	53	94	405	360	317	282	292	301
South Dakota	31	51	84	292	250	215	178	187	204
Nebraska	58	89	154	635	444	364	335	366	421
Kansas	66	101	159	587	466	387	340	368	390
Virginia	62	140	286	1,028	1,091	1,146	1,111	1,413	1,292
West Virginia	59	75	136	669	554	537	527	542	569
North Carolina	99	186	333	1,219	1,242	1,130	1,096	1,062	1,126
Kentucky	81	137	253	976	906	870	791	786	810
Tennessee	77	132	268	976	982	992	1,012	1,104	1,126
South Carolina	69	137	261	900	899	872	794	874	953
Georgia	43	99	234	696	865	822	846	865	943
Florida	57	217	355	1,381	1,527	1,435	1,464	1,596	1,692
Alabama	49	91	200	780	769	761	731	731	760
Mississippi	55	107	234	819	835	752	654	658	678
Arkansas	60	113	260	918	849	705	634	645	664
Louisiana	82	173	321	1,256	1,256	1,005	734	708	722
Oklahoma	51	86	173	614	566	481	428	421	459
Texas	46	85	148	436	652	541	482	466	443
Montana	17	35	60	235	222	204	187	184	187
Idaho	70	112	177	698	749	644	567	592	621
Wyoming	13	22	41	161	177	154	151	140	136
Colorado	32	54	95	387	435	357	364	364	364
New Mexico	15	24	42	185	163	134	122	132	141
Arizona	15	48	70	267	265	231	242	214	212
Utah	43	60	92	530	514	476	454	428	428
Nevada	19	31	53	248	229	199	211	193	199
Washington	85	133	224	736	923	812	723	699	727
Oregon	60	88	150	587	579	521	479	466	466
California	154	360	479	1,424	1,726	1,571	1,366	1,341	1,421
48 States	65	117	196	737	679	595	547	564	597

1/ These values are based on land-value benchmarks obtained from the Census of Agriculture.

PENNSYLVANIA AND SELECTED STATES: AVERAGE VALUE PER ACRE OF LAND AND BUILDINGS, AVERAGE CASH RENT PER ACRE - 1989

State	Farmland 1/	Farms		Cropland		Pasture	
	Average Value Per Acre	Rent Per Acre	Ratio of Rent To Value	Rent Per Acre	Ratio of Rent To Value	Rent Per Acre	Ratio of Rent To Value
	Dollars	Dollars	Percent	Dollars	Percent	Dollars	Percent
PENNSYLVANIA							
1965	233	12.30	4.7	-	-	5.60	4.8
1970	373	12.90	3.8	15.30	3.7	8.30	3.5
1975	734	18.70	2.5	21.80	2.6	11.30	2.7
1978	1,115	27.80	2.6	30.70	2.4	13.50	2.2
1979	1,273	29.40	2.3	32.60	2.2	14.10	1.8
1980	1,464	31.20	2.1	36.60	2.2	15.50	1.7
1981	1,568	35.20	2.4	37.50	2.3	14.90	1.7
1982	1,513	37.60	2.5	39.50	2.5	16.50	1.9
1983	1,520	39.30	2.8	38.80	2.5	17.50	2.1
1984	1,642	38.80	2.5	38.00	2.1	16.00	1.4
1985	1,510	35.80	2.3	43.00	2.5	19.70	2.2
1986	1,450	34.80	2.4	37.20	2.7	18.00	2.2
1987	1,725	39.30	2.5	40.00	2.5	18.60	1.9
1988	1,819	43.80	2.5	42.70	2.4	19.90	1.9
1989	2,201	44.10	2.1	46.50	1.9	22.90	2.0
NORTHEAST							
Vermont	1,439	28.30	3.3	36.20	3.7	17.20	2.2
New York	1,014	34.60	3.2	37.80	3.8	16.00	3.4
New Jersey	7,241	60.80	0.3	67.40	0.3	-	-
Delaware	2,217	52.30	2.1	57.10	2.7	34.00	2.7
Maryland	2,216	53.60	2.3	55.10	1.8	30.80	1.6
LAKE STATES							
Michigan	679	42.50	6.0	44.20	5.9	20.00	4.7
Wisconsin	661	51.10	7.8	50.90	7.7	23.30	6.7
Minnesota	602	54.10	8.4	59.80	8.4	17.80	6.6
CORN BELT							
Ohio	1,051	66.70	6.0	70.80	6.4	27.60	4.5
Indiana	1,061	78.00	7.0	83.10	7.2	33.90	5.6
Illinois	1,225	87.10	6.3	94.30	6.5	32.80	6.0
Iowa	1,041	91.40	8.3	95.80	8.2	30.00	7.7
Missouri	606	47.00	8.2	59.80	8.9	22.80	6.2
NORTHERN PLAINS							
North Dakota	301	24.20	8.1	29.40	8.4	8.40	6.8
South Dakota	204	20.90	7.8	27.30	8.8	7.10	7.9
Nebraska	421	-	-	-	-	12.30	7.7
(Nonirrigated)	-	-	-	51.30	8.4	-	-
(Irrigated)	-	-	-	100.10	9.8	-	-
Kansas	390	-	-	-	-	10.80	5.2
(Nonirrigated)	-	-	-	30.20	7.6	-	-
(Irrigated)	-	-	-	62.50	10.3	-	-
APPALACHIAN							
Virginia	1,292	29.20	1.8	37.40	2.2	21.00	1.6
North Carolina	1,126	34.10	2.5	38.70	2.8	22.50	1.8
Kentucky	810	41.10	5.0	62.10	6.5	25.50	4.0
Tennessee	1,126	39.10	4.3	46.80	5.9	26.40	3.3
SOUTHEAST							
South Carolina	953	24.80	3.1	26.00	3.1	18.40	2.2
Georgia	943	28.40	3.3	32.80	4.0	21.00	2.4
Alabama	760	25.70	4.0	29.70	4.1	18.00	3.7
DELTA STATES							
Mississippi	678	31.80	5.7	40.60	6.3	15.90	3.4
Arkansas	664	39.80	5.9	52.00	6.4	19.90	3.7
SOUTHERN PLAINS							
Oklahoma	459	-	-	-	-	9.50	2.8
(Nonirrigated)	-	-	-	25.80	5.1	-	-
(Irrigated)	-	-	-	36.10	6.8	-	-
Texas	443	-	-	-	-	7.30	1.4
(Nonirrigated)	-	-	-	22.60	3.1	-	-
(Irrigated)	-	-	-	49.50	6.1	-	-

1/ Average value per acre of land and buildings.

PENNSYLVANIA: ESTIMATED NUMBER OF FARMS, 1988 1/

County & District	All Farms		Cattle	Commercial Dairy 2/	Hog	Sheep	Chicken
	1987 4/	1988					
Crawford	1,460	1,390	1,380	500	200	60	310
Erie	1,470	1,440	980	370	100	40	170
Forest	40	40	35	10	10	-	15
Mercer	1,390	1,350	1,250	350	230	100	325
Venango	510	490	435	60	90	40	115
Warren	500	500	460	150	80	20	105
NORTHWESTERN, TOTAL	**5,370**	**5,210**	**4,540**	**1,440**	**710**	**260**	**1,040**
Bradford	1,560	1,520	1,480	690	150	110	220
Cameron	30	30	25	5	10	-	15
Clinton	310	310	230	90	70	20	85
Elk	180	160	150	20	30	10	45
Lycoming	920	900	730	200	180	40	205
McKean	260	260	220	45	30	20	45
Potter	360	350	335	120	40	30	70
Sullivan	190	180	180	55	30	20	40
Tioga	950	930	900	395	80	80	140
NORTH CENTRAL, TOTAL	**4,760**	**4,660**	**4,250**	**1,620**	**620**	**330**	**865**
Lackawanna	340	320	240	70	30	20	50
Susquehanna	920	880	840	380	60	70	135
Wayne	770	740	710	310	60	40	135
Wyoming	390	390	340	140	40	20	55
NORTHEASTERN, TOTAL	**2,420**	**2,330**	**2,130**	**900**	**190**	**150**	**375**
Armstrong	810	790	700	110	150	70	170
Beaver	600	600	480	85	90	70	140
Butler	1,300	1,280	1,020	170	230	120	265
Clarion	590	580	550	120	130	30	135
Indiana	990	970	840	230	160	90	220
Jefferson	530	530	490	120	60	20	105
Lawrence	800	800	690	235	160	70	205
WEST CENTRAL, TOTAL	**5,620**	**5,550**	**4,770**	**1,070**	**980**	**470**	**1,240**
Blair	520	520	460	195	90	20	95
Cambria	630	630	520	55	140	20	145
Centre	860	860	700	290	150	70	170
Clearfield	470	450	400	65	90	10	125
Columbia	790	750	500	75	170	30	170
Dauphin	750	720	480	125	150	70	145
Huntingdon	660	660	630	220	120	50	150
Juniata	610	610	500	200	150	50	100
Mifflin	710	710	660	370	220	110	210
Montour	300	290	220	55	50	10	55
Northumberland	730	720	500	90	160	40	160
Perry	680	670	530	160	150	60	120
Snyder	750	750	590	190	190	50	190
Union	540	540	430	160	110	20	110
CENTRAL, TOTAL	**9,000**	**8,880**	**7,120**	**2,250**	**1,940**	**610**	**1,945**
Carbon	190	190	100	10	50	20	60
Lehigh	590	580	220	40	100	40	160
Luzerne	530	500	340	70	70	30	115
Monroe	210	210	110	15	40	20	55
Northampton	560	520	360	100	80	50	145
Pike	50	50	30	5	10	-	15
Schuylkill	710	690	370	60	140	30	180
EAST CENTRAL, TOTAL	**2,840**	**2,740**	**1,530**	**300**	**490**	**190**	**730**
Allegheny	490	490	250	25	50	40	110
Fayette	950	950	860	120	170	60	200
Greene	870	880	810	45	100	260	200
Somerset	1,150	1,140	1,080	420	220	80	260
Washington	1,670	1,680	1,440	220	180	290	295
Westmoreland	1,420	1,420	1,150	260	230	130	300
SOUTHWESTERN, TOTAL	**6,550**	**6,560**	**5,590**	**1,090**	**950**	**860**	**1,365**
Adams	1,200	1,180	770	120	220	90	230
Bedford	1,110	1,110	1,040	340	210	80	225
Cumberland	1,190	1,170	930	355	220	90	220
Franklin	1,530	1,530	1,380	580	310	110	295
Fulton	500	500	450	115	120	20	120
York	2,270	2,200	1,400	240	430	210	500
SOUTH CENTRAL, TOTAL	**7,800**	**7,690**	**5,970**	**1,750**	**1,510**	**600**	**1,590**
Berks	1,960	1,930	1,340	440	340	170	470
Bucks	970	910	380	80	120	120	195
Chester	1,780	1,710	1,030	400	140	140	265
Delaware	120	110	30	5	10	10	20
Lancaster	5,100	5,080	4,190	1,950	1,200	610	1,525
Lebanon	1,010	1,010	790	320	200	100	205
Montgomery	700	630	340	85	100	80	170
Philadelphia 3/	-	-	-	-	-	-	-
SOUTHEASTERN, TOTAL	**11,640**	**11,380**	**8,100**	**3,280**	**2,110**	**1,230**	**2,850**
PENNSYLVANIA	**56,000**	**55,000**	**44,000**	**13,700**	**9,500**	**4,700**	**12,000**

1/ All farms estimated as of June 1. Specie farms relate to the 1988 production year. Specie farms are not additive to all farms. 2/ Commercial dairy farms relate to farms with 10 or more milk cows. 3/ Farms included with Montgomery County to avoid disclosure of individual operations. 4/ Revised.

PENNSYLVANIA: FARM NUMBERS, LAND AND VALUE, 1987 U.S. CENSUS OF AGRICULTURE 1/

County & District	Number of Farms	Land In Farms	Average Size Of Farm	Value Per Acre 2/	Harvested Cropland
		Acres		Dollars	Acres
Crawford	1,281	236,481	185	800	105,411
Erie	1,355	184,586	136	1,133	85,489
Forest	34	6,170	181	891	1,670
Mercer	1,267	182,562	144	899	87,117
Venango	456	65,098	143	892	23,994
Warren	472	80,943	171	817	27,433
NORTHWESTERN, TOTAL	**4,865**	**755,840**	**155**	-	**331,114**
Bradford	1,432	338,776	237	925	152,610
Cameron	25	2,593	104	735	(D)
Clinton	295	46,965	159	1,234	24,960
Elk	168	18,609	111	1,260	6,865
Lycoming	847	139,334	165	1,313	66,938
McKean	243	44,930	185	704	11,535
Potter	328	95,605	291	730	31,382
Sullivan	165	30,496	185	839	13,146
Tioga	876	222,634	254	719	96,635
NORTH CENTRAL, TOTAL	**4,379**	**939,942**	**215**	-	**404,071**
Lackawanna	299	42,033	141	1,403	18,787
Susquehanna	814	189,907	233	928	66,109
Wayne	691	138,960	201	1,329	47,628
Wyoming	367	72,575	198	936	26,714
NORTHEASTERN, TOTAL	**2,171**	**443,475**	**204**	-	**159,238**
Armstrong	735	122,420	167	1,247	53,447
Beaver	570	59,063	104	1,356	26,647
Butler	1,199	143,817	120	1,508	69,029
Clarion	541	102,577	190	936	42,208
Indiana	911	165,745	182	993	76,834
Jefferson	495	84,803	171	803	36,993
Lawrence	749	96,264	129	992	49,459
WEST CENTRAL, TOTAL	**5,200**	**774,689**	**149**	-	**354,617**
Blair	489	86,691	177	1,345	49,465
Cambria	605	85,764	142	995	40,967
Centre	817	148,889	182	1,548	81,061
Clearfield	421	62,259	148	977	27,563
Columbia	701	110,096	157	1,286	60,355
Dauphin	675	101,692	151	2,017	67,909
Huntingdon	635	134,544	212	884	61,086
Juniata	566	91,378	161	1,189	47,698
Mifflin	677	87,546	129	1,460	44,218
Montour	270	41,870	155	1,273	26,152
Northumberland	675	125,673	186	1,357	80,184
Perry	628	112,654	179	1,323	58,125
Snyder	702	89,998	128	1,312	54,649
Union	505	64,622	128	1,895	45,716
CENTRAL, TOTAL	**8,366**	**1,343,676**	**161**	-	**745,148**
Carbon	177	21,720	123	1,909	10,326
Lehigh	541	96,931	179	3,189	71,219
Luzerne	473	58,441	124	1,537	28,617
Monroe	192	26,898	140	2,321	13,241
Northampton	484	86,694	179	2,068	63,542
Pike	44	5,472	124	1,920	1,651
Schuylkill	647	96,961	150	1,388	59,645
EAST CENTRAL, TOTAL	**2,558**	**393,117**	**154**	-	**248,241**
Allegheny	451	42,686	95	1,999	13,591
Fayette	902	116,231	129	931	44,232
Greene	838	146,002	174	728	30,848
Somerset	1,062	227,645	214	931	103,570
Washington	1,594	218,906	137	1,230	79,233
Westmoreland	1,335	164,716	123	1,597	78,668
SOUTHWESTERN, TOTAL	**6,182**	**916,186**	**148**	-	**350,142**
Adams	1,104	187,035	169	1,806	115,748
Bedford	1,043	221,494	212	1,084	93,122
Cumberland	1,100	153,746	140	1,945	101,369
Franklin	1,441	254,428	177	1,763	173,891
Fulton	467	99,920	214	875	39,720
York	2,041	278,239	136	2,140	186,382
SOUTH CENTRAL, TOTAL	**7,196**	**1,194,862**	**166**	-	**710,232**
Berks	1,809	243,260	134	2,595	174,147
Bucks	841	85,113	101	3,652	57,627
Chester	1,573	189,943	121	4,235	119,376
Delaware	95	8,036	85	6,492	3,345
Lancaster	4,775	403,964	85	3,778	298,475
Lebanon	948	117,405	124	2,451	86,718
Montgomery	586	56,734	97	3,551	36,779
Philadelphia	-	-	-	-	-
SOUTHEASTERN, TOTAL	**10,627**	**1,104,455**	**104**	-	**776,467**
PENNSYLVANIA 2/	**51,549**	**7,866,289**	**153**	**1,579**	**4,080,153**

1/ County and district totals may not add to state total because of census disclosure rules. State total may differ from U.S. Department of Agriculture estimates because of incompleteness, duplication, definitional difference and sampling variability. 2/ Value of land and buildings included. (D) Data withheld to avoid disclosing information for individual farms.

UNITED STATES: CIVILIAN PER CAPITA CONSUMPTION OF MAJOR FOOD COMMODITIES, 1982-1987 1/

Commodity	1982	1983	1984	1985	1986	1987 2/
			Pounds			
Meats:						
Beef	76.8	78.2	78.1	78.8	78.4	73.4
Veal	1.7	1.6	1.8	1.8	1.9	1.5
Lamb & Mutton	1.5	1.5	1.5	1.4	1.4	1.3
Pork	58.5	61.9	61.5	62.0	58.6	59.2
Fish (Edible Weight):						
Canned	4.3	4.8	4.9	5.1	5.4	5.1
Fresh and Frozen	7.7	8.0	8.5	9.0	9.0	10.0
Cured	0.3	0.3	0.3	0.3	0.3	0.3
Poultry Products:						
Eggs	33.5	33.0	32.9	32.2	31.7	31.6
Chicken (Ready-To-Cook)	52.7	53.4	55.2	57.6	58.8	62.7
Turkey (Ready-To-Cook)	10.8	11.2	11.3	12.1	13.3	15.1
Dairy Products:						
Cheese (Excluding Cottage)	19.9	20.5	21.4	22.5	23.0	24.0
Fluid Whole Milk	134.1	130.8	126.6	122.7	115.4	109.9
Fluid Lowfat Milk	93.1	95.9	99.1	104.6	110.4	113.6
Fluid Cream	3.5	3.6	4.0	4.3	4.6	4.7
Ice Cream (Product Weight)	17.6	18.0	18.1	18.1	18.4	18.3
Yogurt	2.6	3.2	3.7	4.0	4.3	4.6
Fats & Oils:						
Butter (Product Weight)	4.3	4.9	4.9	4.9	4.6	4.6
Margarine (Product Weight)	11.0	10.4	10.4	10.8	11.4	10.5
Lard	2.5	2.1	2.1	1.8	1.7	1.8
Shortening	18.6	18.5	21.2	22.8	22.0	21.3
Salad and Cooking Oils	21.8	23.5	19.8	23.5	24.1	25.2
Fruits:						
Fresh:						
Citrus	23.9	28.3	23.2	22.6	26.6	27.2
Noncitrus	59.8	60.0	64.6	63.7	66.6	71.5
Processed:						
Canned Fruit	9.7	9.2	8.9	8.5	8.4	8.7
Frozen Fruit	1.3	1.2	1.2	1.3	1.4	1.9
Citrus Juices (Gallons)	5.1	5.6	4.8	5.2	5.6	5.3
Dried Fruit	2.7	2.8	2.9	2.9	3.0	3.1
Vegetables:						
Fresh	74.2	74.7	78.8	78.8	79.9	78.6
Processed	98.5	100.4	108.6	104.4	103.4	104.2
Fresh Potatoes	44.8	47.9	46.8	44.7	47.6	45.1
Frozen Potato Products	20.1	19.1	20.7	22.0	22.0	23.2
Dry Edible Beans	6.9	7.2	5.5	7.4	7.1	8.3
Grains:						
Wheat Flour	116.7	117.4	118.1	123.3	123.6	128.0
Rice	11.8	9.7	8.6	9.1	11.6	13.4
Pasta	9.9	10.5	11.3	12.9	14.4	17.1
Other:						
Coffee	7.6	7.6	7.5	7.6	7.6	7.6
Cocoa	3.0	3.2	3.4	3.7	3.8	3.9
Peanuts (Shelled)	5.9	5.9	6.0	6.3	6.4	6.4
Sugar (Refined)	73.6	71.0	67.6	63.4	60.8	62.4
Corn Sweeteners	48.1	52.1	57.8	66.5	67.1	68.8
Soft Drinks (Gallons)	26.9	26.9	27.2	29.1	30.3	-

1/ Quantity in pounds. Retail weight unless otherwise shown. Data on calendar year basis except for dried fruits, fresh citrus fruits, peanuts and rice which are on a crop year basis. 2/ Preliminary.

PENNSYLVANIA: ESTIMATED TOTAL POPULATION, JULY 1, 1960-1988 1/

Year	Total Population	Year	Total Population
	Thousands		Thousands
1960	11,329	1984	11,892
1965	11,620	1985	11,864
1970	11,813	1986	11,894
1975	11,860	1987	11,936
1980	11,864	1988 2/	12,027

1/ U.S. Department of Commerce, Bureau of Census, Current Population Reports. 2/ Preliminary.

CROP AND LIVESTOCK DATA FOR _____ COUNTY*
(Name)

Page No.	Commodity	Year or Date	Number		Production				Value
			Unit	Total	Unit	Per acre or Head	Total	County Rank 1/	Dollars
39	Wheat	1988	Acres		Bu.				
41	Oats	1988	Acres		Bu.				
40	Barley	1988	Acres		Bu.				
35	Corn for Grain	1988	Acres		Bu.				
36	Corn, Silage	1988	Acres		Tons				
38	Hay, All	1988	Acres		Tons				
37	Alfalfa	1988	Acres		Tons				XXXX
37	Other	1988	Acres		Tons				XXXX
42	Soybeans	1988	Acres		Bu.				
44	Potatoes	1988	Acres		Cwt.				
45	Tobacco	1988	Acres		Lbs.				
55	Apples	1988			Lbs.				
55	Peaches	1988			Lbs.				
	SUMMARY								
46	Field & Forage	1988	Acres						
46	Vegetables & Potatoes	1988	Acres						
46	Fruit	1988							
46	Total-Crops	1988							
12	Milk Cows & Production	1988	Cows		Milk Lbs.				
25	Layers & Egg Production	1988	Layers		Eggs				
27	Broilers Produced	1988	Broilers		Lbs.				
	INVENTORIES								
24	All Chickens On Hand	12-1-88	Head						
18	Hogs & Pigs On Hand	12-1-88	Head						
18	Cattle & Calves On Hand	1-1-89	Head						
18	Sheep & Lambs On Hand	1-1-89	Head						
	CASH RECEIPTS								
67	Field Crops	1987							
67	Vegetables & Potatoes	1987							
67	Fruit	1987							
67	Hort. & Specialties	1987							
67	Total-Crops	1987							
68	Meat & Misc. Products	1987							
68	Dairy Products	1987							
68	Poultry Products	1987							
68	Total-Livestock	1987							
68	Government Payments	1987							
68	Total-Cash Receipts	1987							

1/ Ranking of top 10 counties shown on page 72 and 73

* Source: Pennsylvania Agricultural Statistics Service

REPORTS AVAILABLE

The following reports are available from the Pennsylvania Agricultural Statistics Service. They are available at no charge to Pennsylvania farmers upon request. Others wishing to receive these reports must complete the "Order Form" on the next page. Questions should be directed to the Pennsylvania Agricultural Statistics Service; address and telephone number are shown on the front cover of this bulletin.

TITLE

STATISTICAL SUMMARY —
Issued in late summer. Contains county data for major agricultural items.

KEYSTONE AG DIGEST —
Issued bi-monthly. Contains information relating to livestock, dairy, poultry, crops, prices, stocks, farm numbers, etc.

SPECIAL DAIRY REPORT —
Issued quarterly. Information relates to milk production and cost of producing milk.

BROILERS —
Issued weekly. Summary of broiler eggs set, chicks hatched and broilers placed for 15 states.

ANNUAL MANUFACTURED DAIRY —
Issued in June. Summary of dairy products manufactured in Pennsylvania for the previous year.

MACHINERY CUSTOM RATES —
Issued in May. Shows charges by custom operators for various farming activities for the current year.

WEEKLY CROP AND WEATHER ROUND-UP —
Issued weekly May-October. Covers current weather conditions, crop planting progress, crop development and harvesting progress.

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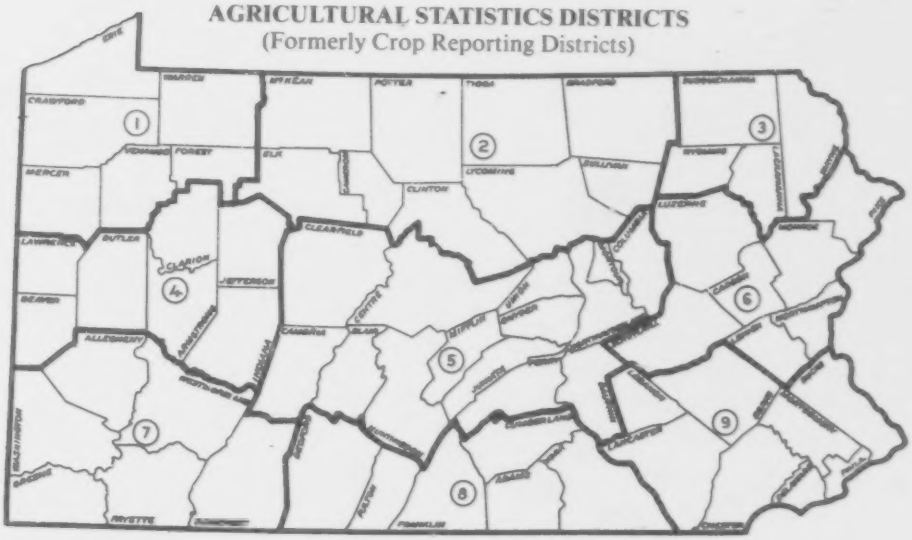

1 Northwestern	2 North Central	3 Northeastern
4 West Central	5 Central	6 East Central
7 Southwestern	8 South Central	9 Southeastern

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